Database Structure
Version 3.0

"When all else fails, read the manual."

WID Version 3.0 - Release History

Release Date:
Revision:

INTRODUCTION

The ***Workforce Information Database (WID)*** is a standardized database structure developed for the storage and dissemination of local, state, regional, and national workforce information on the economy, industry, labor supply and demand, and other aspects of and areas affected by, or that have an effect on our workforce. Population of the database is a core deliverable of the ETA State Workforce Information Grant and is carried out by the agency that has responsibility for collecting, preparing, and disseminating the information within each state. The WID structure is continually updated to incorporate new data and adapt to new technology in order to accommodate the wide range of uses and users of this information.   Structure updates are also driven by WID users submitting requests, comments, and concerns to Analyst Resource Center (ARC) consortium members or by the ARC directly (see Contact Information below). The change process is coordinated by the Analyst Resource Center Consortium ,which is funded by the U.S. Department of Labor, Employment and Training Administration (ETA). The Consortium is led by the state of Minnesota. Membership includes Connecticut, Iowa, Michigan, Minnesota, Montana, Nevada, North Carolina, Oregon, Virginia, Wisconsin, and the ETA.

TABLE LAYOUTS

The table layouts for the Workforce Information Database tables are presented in this document. They are organized into four types: lookup tables, data tables, crosswalks, and administrative or application developers' tables. There is also a section of standard field values. The lookup tables contain relatively constant data that pertains mainly to descriptive data associated with classification codes. The data tables contain information about employment, wages, income, layoffs, industries, occupations, employers, education and training completers, educational programs, population demographics, selected economic indicators, and other data. These tables are intended to contain information that is maintained on a regular basis by each state. The crosswalk tables are a subset of the lookup tables representing the relationships between various classification codes. The administrative tables are tables used by the database administrator to record database management activities. This section also contains the all-codes tables used for industry codes and occupation/training codes (see below). The field values tables present standard values assigned to fields in the respective tables that are to be used in populating the database.

CORE TABLES
Core Tables are a group of data tables, and related lookup tables, that contain the most common data produced by state departments of labor, and are thus considered mandatory according to the WIG TEGL controlling the ARC. From the WIDCenter website: As stated in the Employment and Training Administration (ETA), Workforce Information Core Products and Services Grant, "States are required to implement and maintain the most current version of the Workforce Information Database and populate all tables designated as core tables in accordance with guidelines issued by the Analyst Resource Center (ARC). Database content must be updated timely in order to be as current as the state's most recent publications and data releases." **The core tables are listed in Appendix E, as well as indicated with an apple core:**

CHANGES MADE FROM PRIOR VERSIONS

Appendix D lists the changes made to the Workforce Information Database from the prior version to this current one.

HOW TO READ A TABLE DEFINITION

Each table definition contains complete information about the structure of a table. Each definition includes: the name of the table, a complete list of each column name and data type, complete constraint information, and short descriptions of the columns. The following illustration identifies each component of a table definition.

List of column names.

Data type of column.

Name of table.

Constraint: Specifies whether this column is part of the Primary Key or participates in one or more Foreign Keys. Numbers in this column refer to Foreign Keys where more detailed information can be found in the **Constraints Information** section.

Message label: appears where needed. Indicates that table is New, Revised, or Deprecated.

areatype

New as of this version

A table containing identifiers for the geographic type, i.e., MSA, SDA, county, city, township, etc.

Column	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS code
2. areatype	char(2)	Primary Key	The code for the geographical area the data represent.
3. areatyname	varchar(40)		Descriptive title of the areatype
Constraints Information			
1 Foreign Key (areatype.stfips) references (stfipstb.stfips)			
Trigger Information			
Table Notes			

indicates new field

Constraints Information
Trigger Information
Table Notes
These sections appear as necessary.
Constraints Information describes the foreign key relationships.
Trigger Information describes the SQL code needed to maintain the Admin tables occcodes and indcodes.
Table Notes are for any miscellaneous information that may be useful to the DBA.

HOW TO USE THE STANDARD FIELD VALUES

Those fields with standard values, such as area types and industry and occupation code types, are arranged in alphabetical order under the Standard Field Values section. For example, if you are loading or using county data, you can look in the Field Values under "areatype" to see that County is area type = 04.

areatype
Values:
00 US
01 State
02 MSA
03 SDA
04 County
05 Minor Civil Division
06 BLS Region
07 Broad Geographic Area (BGA)
08 Economic Development Region
09 Planning Region
10 Labor Market Area
11 City
12 Town
13 Township
14 Municipality/Suburb
15 Workforce Investment Region
16 One Stop Area
17 Workforce Development Area
18 Job Center Area
19 Congressional District
20 Census Places
21 Metropolitan Statistical Area *
22 Micropolitan Statistical Area *
23 Metropolitan Division *
24 Combined Statistical Area*
25 Metropolitan New England City and Town Area (NECTA) 2010
26 Micropolitan New England City and Town Area (NECTA) 2010
27 New England City and Town Area (NECTA) Divisions 2010
28 Combined New England City and Town Area (NECTA) 2010
30 Balance of State
31 Metropolitan Statistical Area 2010
32 Micropolitan Statistical Area 2010
33 Metropolitan Division 2010
34 Combined Statistical Area 2010
35 EEO County Group
40 BLS CPI areas
41 BLS CPI areas 2018
50-70 State-Defined Area

The other commonly used standard field is *codetype*, which denotes the coding system used for industries, occupations, and education programs. This is the field used by the administrative tables indcodes and occcodes to reference the code system. Although the table contains 20 values, most industry data will be NAICS-based, *codetype* = 10, and most occupation data will be SOC-based, either 2010 (*codetype*=14), or the newer 2018 (*codetype*=19).

Other fields with standard values include various look-up tables, such as annslrng (annual sales range), cescode (industry codes specific to CES), and popsource (sources for population data).

For all of these, having standardized values means that we are all talking about the same thing when we look at data.

TABLE CONSTRAINTS AND TRIGGERS

The Constraint section of each table definition identifies all Primary Keys and Foreign Keys for the table. The constraints for a table specify rules for data that will be stored in that table. These rules exist in the form of either Primary Keys or Foreign Keys. The definitions of these terms appear below:

Primary Key: The *Primary Key* is a column or group of columns that shall always be (1) non-null and (2) unique. Only one primary key exists for each table. A Primary Key constraint is enforced on a table so that each row in the table can be uniquely identified.

Foreign Key: A *Foreign Key* is a column or group of columns where each value or group of values exists as a Primary Key in another table. Foreign Key constraints are used so that data for a column or group of columns can be validated against another table containing a list of valid values for that column or group of columns.

Throughout the table definitions, Primary Keys and Foreign Keys are used wherever possible to achieve the greatest level of data quality. For example, in the table *ces*, there is a column called *seriescode*. By specifying a Foreign Key constraint on the *seriescode* column referencing the table *cescode*, no row in the *ces* table will ever contain a value for *seriescode* that does not already exist in the table *cescode*. This protects the *ces* table from ever containing invalid *seriescode* values.

The information stored in the Workforce Information Database contains many different classification systems for occupations (DOT, SOC, OES, ONET, etc.), industries (NAICS and SIC) and training programs (various releases of CIP). The states may choose which classification system they are going to use. Some states may choose to classify occupations with ONET codes while other states may use SOC codes. Some states store data making use of several different classifications and some states are in the process of converting from one classification system to another thus needing to store data for both classifications.

Since its inception, the Workforce Information Database has provided a means for specifying more than one type of classification system in some of the data tables. For example, the *progcomp* table has a *code* field in which several different types of occupational codes (DOT, OES, SOC, etc.) can be used. The *progcomp* table's *codetype* field defines the type of code being used in a particular record. These *multi-code fields* provide flexibility in classifying the data, but can cause problems with data integrity.

All relational database systems require Foreign Keys to be a set of fixed conditions, with the data field having the same length as the Primary Key of the lookup table it references. Each Foreign Key constraint must reference only **one** lookup table. This restriction presents a problem when trying to set Foreign Key constraints on the multi-code fields in some of the Workforce Information tables. Since the length of the classification codes can vary (4 – 10 characters) and the lookup table to be referenced must be determined by the code-type, Foreign Key constraints cannot be set directly between the multi-code field and the lookup table that needs to be referenced.

In order to provide a means of enforcing Foreign Key constraints on the multi-code fields, two administrative tables were added to the Workforce Information Database. They are the *indcodes* and *occcodes* tables. The *indcodes* table is designed to contain the code-type and code of all the industry classifications a state may be using. The *occcodes* table is designed to contain all of the occupation and training classifications a state may be using. Each of these tables also contains the title associated with the classification code so these multi-code tables can also be used for application development.

Maintenance of the multi-code tables – *indcodes* and *occcodes* – can present additional effort and responsibility for the Workforce Information Database Administrators. In order to minimize the efforts of the DBA, triggers have been identified as a means to maintain the multi-code tables that can be used universally. A **trigger** is a special kind of stored procedure that goes into effect when you modify data in a specified table using one of the data modification operations – UPDATE, INSERT, or DELETE. Triggers can query other tables and can include complex SQL statements. Triggers in the Workforce Information Database are used specifically to maintain the referential integrity of the multi-code tables with any changes that are made to the lookup tables. The advantage of using triggers is they are automatic on all logged operations. They are activated immediately after any modification to the table's data. Triggers are supported by most enterprise-level database systems.

Triggers should be added to each of the lookup tables that need to be represented in the multi-code tables. For example, the *soccode* table will have a trigger that executes whenever it is updated and it will automatically update the *occcodes* table with the code and title changes made to the *soccode* table. Likewise, the *naiccode* table will have triggers that will update the *indcodes* table with the code and title changes made to the *naiccode* tables. **Lookup tables that should have triggers are identified in the Tables section and in the Load Order Document, Appendix A, with the triggerfish icon.**

A third administrative table – *statelst* – was added to support the trigger functionality. It will allow any state to use the sample triggers as-is without the need to customize for the stfips code. This functionality also applies to states that may store more than one states data in their database. The sample triggers and other sample code can be found at the webpages listed in the Contact Information and Links below.

A Word About Data Type Descriptions…

One goal for the Workforce Information Database is to be both database and operating system independent. However, some conventions must be used for describing the database, and the field types used in this document generally are those used by MS SQL Server. Depending on the database management system being used, there may be differences in the way data types are defined/interpreted. For example, Database administrators who use PC-based database management systems, particularly MS Access, must adapt the structures found here to their database software. For these systems, two field types are involved: long text fields (varchar(**MAX**) and numeric fields with decimals (numeric(3,1). Adjustments to the variable descriptions used in this document for MS Access follow:

MS Access: MS Access uses memo fields for long text (through Access 2010; called "long text" in Access 2013). The length of an Access memo field is limited to 64,000 characters; a long text field is approximately 1 GB. Numeric fields with decimal places are defined as either single or double precision. In either case, the user can control the number of decimal places, but the length of the field is predetermined by the variable type. Single precision should be adequate for the variables in the Workforce Information Database.

Use of VARCHAR(MAX)

In order to accommodate some of the large descriptor fields in the Workforce Information Database, ARC recommends using data type varchar(MAX) for the descriptor fields specified in this structure document. If your system does not support data type varchar(MAX), then use the largest varchar size your DBMS and/or organization allows.

Workforce Information Database Administrators need to be aware of the fact that data type variations may exist depending on the system being used and they will need to adapt this structure for their particular database management system.

DEPRECATION (*Outdated; use strongly discouraged*) of tables

The Structure Committee of the Analyst Resource Center (ARC) periodically makes changes to tables in the Workforce Information Database (WID) in order to update, accommodate, and adapt the database for new technologies, users, and uses. In the effort to continually advance the database structure and not cause undue personnel and budget strains on our customers, "Deprecation" was chosen as the method to eliminate outdated features. The structure committee will identify tables and features to be deprecated along with their recommended alternatives.

Deprecation does not mean that a table cannot be used now, but rather is a warning that the table will be deleted in the future (typically three WID versions later). States may continue to use a deprecated table up to the version where it is deleted, and the ARC will continue to support that table up until that point.

See Appendix C for a list of the currently deprecated tables.

CONTACT INFORMATION and LINKS:

For comments, questions, or suggestions: arc.deed@state.mn.us.

For sample code: http://www.widcenter.org/
Core tables: http://www.widcenter.org/document/all-core-tables/

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Look-up Tables

addresstype

This table contains address type codes used in stfirms.

Field Name	Type	Constraint	Description
1. addresstype	char(1)	Primary Key	Code for the address type used for the following fields in the St firms or Empdb tables: addressty, addressty1, addressty2, addressty3
2. addresdesc	varchar(60)		Description of the address type

agegroups

A table containing codes for identifying age categories.

Field Name	Type	Constraint	Description
1. agegrouptype	char(2)	Primary Key 1	Source category for the age groups.
2. agegroup	char(2)	Primary Key	Code identifying the age group.
3. agegroupdesc	char(20)		Age group description.
Constraint Information			
1. Foreign Key (agegroups.agegrouptype) references (agegrouptypes.agegrouptype)			

agegrouptypes

The source of the age group listed in agegroups.

Field Name	Type	Constraint	Description
1. agegrouptype	char(2)	Primary Key	Code for the age group source category.
2. sourcecategory	varchar(35)		Description of the age group source.

annualsalescodes

This table contains the annual sales codes used in the empdb table.

Field Name	Type	Constraint	Description
1. annsalescode	char(1)	Primary Key	Annual sales code.
2. annsalesdesc	varchar(40)		Description of the annual sales code.

annualsalesranges

A table of annual sales value ranges for the employers in the empdb table.

Field Name	Type	Constraint	Description
1. annsalesrange	char(2)	Primary Key	Code for the annual sales range.
2. salesrangedesc	varchar(20)		Description of the sales range code.

areatype

A table containing identifiers for the geographic type, e.g.. MSA, SDA, county, city, township, etc.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS code.
2. areatype	char(3)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. areatypename	varchar(40)		Descriptive title of the areatype.
Constraint Information			
1. Foreign Key (areatype.stfips) references (stfipstb.stfips)			

bedtypes

A table of business employment dynamics data types.

Field Name	Type	Constraint	Description
1. bedtypecode	char(1)	Primary Key	Indicator of the type of data.
2. bedtypedesc	varchar(60)		Description of the BED data type.

benchmark

This table contains the benchmark years.

Field Name	Type	Constraint	Description
1. benchmark	char(4)	Primary Key	Benchmark year used in the labforce and ces tables.
2. benchmarkdesc	varchar(60)		Benchmark year description.

benefit

Contains codes used for identifying benefit categories.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. benefit	char(1)	Primary Key	Code indicating type of benefit.
3. benefitdesc	varchar(40)		Descriptive title of the benefit.
Constraint Information			
1. Foreign Key (benefit.stfips) references (stfipstb.stfips)			

blseducation

Table of BLS education categories.

Field Name	Type	Constraint	Description
1. educategory	char(1)	Primary Key	Code assigned to the education category by BLS
2. educationdesc	varchar(35)		Description of the education category

blstrainingcodes

A table of codes for the BLS training category for occupations.

Field Name	Type	Constraint	Description
1. trainingcode	char(1)	Primary Key	Code assigned to the on-the-job training category by BLS
2. trainingdesc	varchar(75)		Description of the on-the-job category

careerclusters

This table contains a listing of the Department of Education Career Clusters.

Field Name	Type	Constraint	Description
1. clustercode	char(2)	Primary Key	Career Cluster code
2. clustertitle	varchar(80)		Title of the Career Cluster
3. clusterdesc	varchar(MAX)		Description of the Career Cluster

careerpaths

A table of the Department of Education Career Pathways.

Field Name	Type	Constraint	Description
1. pathcode	char(4)	Primary Key	Career Pathway code
2. pathtitle	varchar(115)		Title of the Career Pathway

cescode   <mark>Revised in v3.0</mark>

The table of Current Employment Statistics codes.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. seriescode	char(8)	Primary Key	Industry Series Code
3. seriesdesc	varchar(MAX)		Description of the industries comprising the series.
4. seriestitles	varchar(75)		Short title used to identify industry division.
5. seriestitle	varchar(200)		Long title used to describe industry division.
6. serieslevel	char(1)		Optional report indentation level.
Constraint Information			
1. Foreign Key (cescode.stfips) references (stfipstb.stfips)			

cipcode

A table of the current Classification of Instructional Programs (CIP) codes, including 2, 4 and 6-digit codes.

Field Name	Type	Constraint	Description
1. cipcode	char(10)	Primary Key	A 10-digit code assigned to a Classification of Instructional Programs (CIP) program title.
2. cipcodetype	char(2)	Primary Key 1	A code describing the CIP version classification code
3. ciptitle	varchar(200)		The instructional program title used to organize training related data, i.e., enrollments, completers, placement.
4. cipdesc	varchar(MAX)		A definition of the curriculum included in an instructional program.
5. ciptitleshort	varchar(75)		A short version of the CIP title used for screen display.
6. ciplevel	char(1)		Indicator of the hierarchical level of the CIP code.

Constraint Information

1. Foreign Key (cipcode.cipcodetype) references (occtypes.codetype)

Trigger Information

Use triggers on INSERT, UPDATE or DELETE of cipcode to maintain occcodes.(statelst.stfips, cipcode.codetype, cipcode.cipcode, cipcode.ciptitle) maintains (occcodes.stfips, occcodes.codetype, occcodes.code, occcodes.codetitle)

classtime

The table of class time codes.

Field Name	Type	Constraint	Description
1. classtime	char(1)	Primary Key	Class time code.
2. classtimetitle	varchar(40)		Description or title of the class time.

clustercode

The table of cluster (or unit of analysis) codes used in the state.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. clustercode	char(10)	Primary Key	Code assigned to the cluster from the State Units of Analysis.
3. clustertitle	varchar(60)		Title assigned to the cluster from the State Units of Analysis.
4. clusterdesc	varchar(MAX)		A free form text column intended to contain descriptive data regarding this cluster in this state.

Constraint Information

1. Foreign Key (clustercode.stfips) references (stfipstb.stfips)

Trigger Information

Use triggers on INSERT, UPDATE or DELETE of cluscode to maintain occcodes. (cluscode.stfips, '01', cluscode.cluscode, cluscode.clustitle) maintains (occcodes.stfips, occcodes.codetype, occcodes.code, occcodes.codetitle)

completertype

The table of program completer types, by state.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. completertype	char(2)	Primary Key	A 2-digit code representing type of program completer.
3. completertitle	varchar(40)		Title of type of program completer.
4. completerdesc	varchar(MAX)		Description of type of program completer.
Constraint Information			
1. Foreign Key (completertype.stfips) references (stfipstb.stfips)			

contactprotitles

The table of contact professional titles.

Field Name	Type	Constraint	Description
1. contactprotitle	char(3)	Primary Key	Contact's professional title.
2. contactprodesc	varchar(35)		Description of the contact's professional title.

contacttitle

The table of the contact title codes.

Field Name	Type	Constraint	Description
1. contacttitlecode	char(1)	Primary Key	Contact title code.
2. contacttitledesc	varchar(35)		Contact's descriptive title.

cpiitems

A table of market basket items included in the CPI.

Field Name	Type	Constraint	Description
1. cpiitem	char(9)	Primary Key	Code for the items in the Index
2. itemdesc	varchar(100)		Description of the items in the index (e.g., all items, food, energy, etc.)

cpisource

Table of codes for the source of Consumer Price Index data.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. cpisource	char(1)	Primary Key	Source code for CPI data.
3. cpisourcedesc	varchar(40)		Description of CPI source.
Constraint Information			
1. Foreign Key (cpisource.stfips) references (stfipstb.stfips)			

cpitype
The table of Consumer Price Index (CPI) types of measure.

Field Name	Type	Constraint	Description
1. cpitype	char(2)	Primary Key	A 2-digit code assigned to the type of CPI measure.
2. cpititle	varchar(55)		Title of the CPI measure.
3. cpidesc	varchar(200)		Description of the CPI measure.
Constraint Information			

creditcode
The table of credit codes, used in the empdb table.

Field Name	Type	Constraint	Description
1. creditcode	char(1)	Primary Key	Credit code
2. creditdesc	varchar(MAX)		Description of types of credit codes.

educationlevels
A table containing codes for identifying education levels.

Field Name	Type	Constraint	Description
2. educationlevel	char(1)	Primary Key	Code indicating education level required.
3. eduleveldesc	varchar(40)		Descriptive title of the education level.
Constraint Information			

empdbinf
This table contains information about the current installed version of the empdb file.

Field Name	Type	Constraint	Description
1. releasenumber	char(3)	Primary Key	Empdb release number.
2. releasemonth	char(2)		Release month.
3. releaseyear	char(4)		Release year.
4. copyrightyear	char(4)		Copyright year.
5. contractyear	char(4)		Contract year.
6. editionyear	char(4)		Edition year.

empsizeflag
A table of employment size flag codes used in the empdb table.

Field Name	Type	Constraint	Description
1. empsizeflag	char(1)	Primary Key	Code for the size flag
2. empflagdesc	varchar(50)		Description of the size flag.

empsizerange
A table of size range codes used in the empdb table.

Field Name	Type	Constraint	Description
1. empsizerange	char(2)	Primary Key	Code for the size range.
2. emprangedesc	varchar(40)		Description of the size range.

experience

Table of experience needed codes from BLS.

Field Name	Type	Constraint	Description
1. experiencecode	char(1)	Primary Key	Code assigned to the work experience category by BLS
2. experiencedesc	varchar(20)		Description of the experience code

experiencelevels

A table containing identifiers for the experience level.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. experiencelevel	char(1)	Primary Key	Code identifying the experience level required.
3. experienceleveldesc	varchar(40)		Descriptive title of the experience level.
Constraint Information			
1. Foreign Key (experiencelevels.stfips) references (stfipstb.stfips)			

gender

A table containing codes for identifying gender of UI Claimants.

Field Name	Type	Constraint	Description
1. gendercode	char(1)	Primary Key	Gender code.
2. genderdesc	varchar(12)		Gender description.

geographies

A table containing geographic area descriptor records.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. areaname	varchar(60)		Geographic area name.
6. areadesc	varchar(MAX)		Narrative description of a geographic area.
7. latitude	numeric(11,6)		geographic coordinate specifying north-south position on the Earth
8. longitude	numeric(11,6)		geographic coordinate specifying east-west position on the Earth
9. geoprecisioncode	char(1)	2	geocode precision level code. The precision of the longitude and latitude coordinates.
Constraint Information			
1. Foreign Key (geographies.stfips, geographies.areatype) references (areatype.stfips, areatype.areatype)			
2. Foreign Key (geographies.geopcode) references (geocode.geopcode)			

geoprecisioncode

A table of the levels of precision possible for the geocode.

Field Name	Type	Constraint	Description
1. geoprecisioncode	char(1)	Primary Key	Code for the precision level of the geocode.
2. geoprecisiondesc	varchar(40)		Description of the precision geocode.

growthcodes

A table of state-specific growth codes describing an industry or occupation.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. growthcode	char(2)	Primary Key	Code for the state-specific growth descriptor.
3. growthdesc	varchar(20)		Brief description interpreting the growth of the industry or occupation.
Constraint Information			
1. Foreign Key (growthcodes.stfips) references (stfipstb.stfips)			

incomesource

Codes for the source of income and population estimates for the income table.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. incomesource	char(1)	Primary Key	Source Code for income data.
3. incomesourcedesc	varchar(40)		Description of income source.
Constraint Information			
1. Foreign Key (incomesource.stfips) references (stfipstb.stfips)			

incometype

Revised in v3.0

A table containing types of income measures.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. incometype	char(2)	Primary Key	Code for the type of income measure.
3. incomedesc	varchar(75)		Income measure description.
Constraint Information			
1. Foreign Key (incometype.stfips) references (stfipstb.stfips)			

indcodetypes

The table of industry code types used throughout the WID database.

Field Name	Type	Constraint	Description
1. codetype	char(2)	Primary Key	Code describing the type of industry classification code.
2. codetypedesc	varchar(40)		Title of classification Code.

inddirectory

A table containing a directory of MicroMatrix level industry codes for which projections are performed.

Field Name	Type	Constraint	Description
1. matrixindcode	char(15)	Primary Key	Industry code from Micro Matrix.
2. periodyear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2021).
3. periodtype	char(2)	Primary Key 2	Code describing type of period (e.g. Long-term projections, short-term projections, etc.)
4. period	char(2)	Primary Key 2	Period Code. Will be set to 00 where periodtype in annual based.
5. matrixindtitle	varchar(200)		Industry title.
6. subtotal	char(1)	3	Sum level of the information
7. ownership	char(2)	4	A 2-digit indicator that identifies the employer by public or private ownership.

Constraint Information
1. Foreign Key (inddirectory.periodyear) references (periodyears.periodyear)
2. Foreign Key (inddirectory.periodtype, inddirectory.period) references (periodtypes.periodtype, periodtypes.period)
3. Foreign Key (inddirectory.subtot) references (indsublevels.subtot)
4. Foreign Key (inddirectory.ownership) references (ownershp.ownerships)

indoccspecialid

A table that identifies industries and occupations that are in special categories, such as Green jobs, high-tech., etc.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2, 4	State FIPS code
2. areatype	char(3)	Primary Key 1, 4	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 4	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 4	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 3	Character representation of the calendar year (e.g. 2006).
6. indcodetype	char(2)	Primary Key 1	Code describing the industry code type.
7. indcode	char(6)	Primary Key 1	A code used in the classification of establishments by type of activity in which they are engaged. For codes not 6 characters long, left justify and blank (ASCII 32) fill. Either SIC or NAICS code can be used.
8. occcodetype	char(2)	Primary Key 2	Code describing the type of occupational coding system
9. occcode	char(10)	Primary Key 2	The occupational classification code used by the state for this data element. This code could be a DOT, OEWS, SOC, CENSUS, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
10. specialid	char(2)	Primary Key 5	Code for the type of job, e.g. Green, STEM, etc.

Constraint Information

1. Foreign Key (indoccspecialid.stfips, indoccspecialid.indcodty, indoccspecialid.indcode) references (indcodes.stfips, indcodes.codetype, indcodes.code)

2. Foreign Key (indoccspecialid.stfips, indoccspecialid.occodetype, indoccspecialid.occcode) references (occcodes.stfips, occcodes.codetype, occcodes.code)

3. Foreign Key (indoccspecialid.peariodyear) references (periodyears.periodyear)

4. Foreign Key (indoccspecialid.stfips, indoccspecialid.areatype, indoccspecialid.areatypeversion, indoccspecialid.area) references (geography.stfips, geography.areatype, geography.areatypeversion, geography.area)

5. Foreign Key (indoccspecialid.specialid) references (iospecialids.specialid)

indsublevels

A table containing a lookup of industry sum level information.

Field Name	Type	Constraint	Description
1. subtotal	char(1)	Primary Key	Sum level of the information.
21. subtotaldesc	varchar(60)		Sum level description.

Constraint Information

industrycodes

Master table of industry code type/code combinations, allowing multiple classification systems to be used.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. codetype	char(2)	Primary Key 2	Code describing the type of industry classification code.
3. code	char(6)	Primary Key	The classification code used by the state for this data element. This could be a SIC or NAICS code. For codes not 6 characters long, left justify and blank (ASCII 32) fill.
4. codetitle	varchar(200)		The descriptive title for this industry code.
Constraint Information			
1. Foreign Key (industrycodes.stfips) references (stfipstb.stfips)			
2. Foreign Key (industrycodes.codetype) references (indtypes.codetype)			

institutionownership

A table of training institution ownership codes and descriptions.

Field Name	Type	Constraint	Description
1. instown	char(1)	Primary Key	Institution ownership code.
2. instowndes	varchar(40)		Description or title of training institution owner.

institutiontype

The table of institution types in a state.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code
2. insttype	char(2)	Primary Key	Identifies the type of training institution (WIA Provider, vocational center, community college, university).
3. insttydesc	varchar(50)		A description of the type of institution.
Constraint Information			
1. Foreign Key (institutiontype.stfips) references (stfipstb.stfips)			

iospecialids

Table of special types of jobs, such as Green, STEM, etc.

Field Name	Type	Constraint	Description
1. specialid	char(3)	Primary Key	The code for the special job type
2. specialiddesc	varchar(40)		The special ID description

joltstypes

Types of the JOLTS numbers

Field Name	Type	Constraint	Description
1. joltstypecode	char(2)	Primary Key	Code of the JOLTS data
2. joltstypedesc	varchar(100)		Description of the JOLTS data.

laytitle
A table of lay titles and codes.

Field Name	Type	Constraint	Description
1. laytitlecode	char(5)	Primary Key	Lay title code
2. laytitle	varchar(200)		Lay title associated with an occupation.
Table Notes			
1: The value of laytlcode is recalculated with each release of the lay title database. The code associated with any title may change from one release to the next.			

lengthopen
A table containing codes for identifying length-open categories.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. lengthopen	char(1)	Primary Key	Code indicating range of how long vacancy has been open.
3. lengthopendesc	varchar(40)		Length-open categories description.
Constraint Information			
1. Foreign Key (lengthopen.stfips) references (stfipstb.stfips)			

lengthtype
A table of training program lengths.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code
2. lengthtype	char(2)	Primary Key	The identifying code assigned to the program length.
3. lengthtypedesc	varchar(40)		A description of the length of the assigned program length code.
Constraint Information			
1. Foreign Key (lengthtype.stfips) references (stfipstb.stfips)			

liccontinuingedu   New Table in v3.0
Lookup table of the continuing education requirements of the license

Field Name	Type	Constraint	Description
1. licensecontinuingedu	char(1)	Primary Key	Indicator of license continuing education requirements
2. continuingedudesc	varchar(50)		Description of continuing education requirements for license

licenseactivestatus   New Table in v3.0
Lookup table of the active status of the license

Field Name	Type	Constraint	Description
1. licensestatus	char(1)	Primary Key	Indicator of license status
2. licensestatusdesc	varchar(25)		Description of license status

licensecertification

Lookup table of the certification requirements of the license

Field Name	Type	Constraint	Description
1. licensecertification	char(1)	Primary Key	Indicator of license certification requirements
2. licensecertdesc	varchar(60)		Description of license certification requirements

licensecriminal

Lookup table of licensing restrictions on criminal records

Field Name	Type	Constraint	Description
1. licensecriminal	char(1)	Primary Key	Indicator of criminal records requirements for the license
2. licensecriminaldesc	varchar(50)		Description of the criminal records requirements for the license

licenseeducation

Lookup table of the education requirements of the license

Field Name	Type	Constraint	Description
1. licenseeducation	char(1)	Primary Key	Indicator of educational requirements for the license
2. educationdesc	varchar(25)		Description of the educational requirements

licenseexams

Lookup table of the exam requirements of the license

Field Name	Type	Constraint	Description
1. licenseexam	char(1)	Primary Key	Indicator of exams required for the license
2. examdesc	varchar(50)		Description of the exam requirements

licenseexperience

Lookup table of the experience requirements of the license

Field Name	Type	Constraint	Description
1. licenseexperience	char(1)	Primary Key	Indicator of experience required for the license
2. experiencedesc	varchar(30)		Description of the experience required

licensenumbertype

The table of type codes used in the lichist table.

Field Name	Type	Constraint	Description
1. licnumtype	char(2)	Primary Key	Code for the type of statistic.
2. licnumdesc	varchar(50)		Description of the type of statistic.

licensephysicalreqs

Lookup table of physical requirements of the license

Field Name	Type	Constraint	Description
1. licensephysical	char(1)	Primary Key	Indicator of the physical requirements for the license
2. physicaldesc	varchar(50)		Description of the physical requirements

licensetypes

Look-up table for the indicators of the type of license

Field Name	Type	Constraint	Description
1. licensetype	char(1)	Primary Key	Code for the license type
2. licensetypedesc	varchar(50)		Description of the license type

licenseveteran

Codes indicating the veteran preference for a license

Field Name	Type	Constraint	Description
1. licveteran	char(1)	Primary Key	Code indicating any veteran's preference of the license
2. licveterandesc	varchar(75)		Description of the veteran preferences

locationstatus

The table of location status code types used in the empdb table.

Field Name	Type	Constraint	Description
1. locationstatuscode	char(1)	Primary Key	Code for the location status.
2. locationstatusdesc	varchar(40)		Description of the location status.

meeicode

The table of multi-establishment indicator codes from QCEW.

Field Name	Type	Constraint	Description
1. meeicode	char(1)	Primary Key	The Multi-Establishment Employer Indicator code.
2. meeidesc	varchar(40)		Description or title of the MEEI code.

naicscode

The table of North American Industry Classification System codes.

Field Name	Type	Constraint	Description
1. naicscode	char(6)	Primary Key	A code used in the North American Industry Classification System (NAICS).
2. naicstitle	varchar(75)		Title assigned to the NAICS code.
3. naicstitll	varchar(200)		The long title assigned to the NAICS code.
4. naicsdesc	varchar(MAX)		A narrative description of the activities performed by the establishment in this NAICS code.
5. naicslevel	char(1)	1	A code that indicates the hierarchical level of the NAICS industry code.
6. naicsector	char(2)	2	A code used to represent the NAICS industry sectors.

Constraint Information
1. Foreign Key (naicscode.naicslvl) references (naicslvl.naicslvl)
2. Foreign Key (naicscode.naicsect) references (naicsect.naicsect)

Trigger Information
Use triggers on INSERT, UPDATE or DELETE of naiccode to maintain indcodes. (statelst.stfips, '10', naiccode.naicscode, naiccode.naicstitle) maintains (indcodes.stfips, indcodes.codetype, indcodes.code, indcodes.codetitle)

naicsdomain

A table of NAICS Domains, aggregations of Supersectors as defined by BLS extensions of NAICS.

Field Name	Type	Constraint	Description
1. naicdomain	char(3)	Primary Key	A code that represents a Domain in the BLS extensions to the North American Industry Classification System (NAICS).
2. domaintitle	varchar(25)		Title assigned to the Domain.

naicslevel

A table of the hierarchical level of the codes in the North American Industry Classification System (NAICS).

Field Name	Type	Constraint	Description
1. naicslevel	char(1)	Primary Key	A code that indicates the hierarchical level of the NAICS industry code.
2. leveldesc	varchar(40)		A description of the hierarchical level of the NAICS industry code.

naicssector

The table of North American Industry Classification System (NAICS) industry Sectors.

Field Name	Type	Constraint	Description
1. naicsector	char(2)	Primary Key	A code used to represent the NAICS industry sectors.
2. sectordesc	varchar(45)		A short description of the NAICS industry sector.
3. sectdescl	varchar(120)		A long description of the NAICS industry sector.
4. naicsuper	char(4)	1	Code for a BLS defined NAICS Supersector.
Constraint Information			
1. Foreign Key (naicssector.naicsuper) references (naicsupr.naicsuper)			

naicssupersector

The table of NAICS Supersectors, defined by BLS official extensions to NAICS.

Field Name	Type	Constraint	Description
1. naicsuper	char(4)	Primary Key	A code used to represent a Supersector as defined in the official BLS extensions to the North American Industry Classification System (NAICS).
2. supertitle	varchar(35)		Title assigned to the Supersector.
3. naicdomain	char(3)	1	Code for a BLS defined NAICS Domain.
Constraint Information			
1. Foreign Key (naicssupersector.naicdomain) references (naicdom.naicdomain)			
Table Notes			
1: Supersector 1030 - Tribal employment has been added for those states that needed. All others can ignore this code.			

occcodes

Master table of occupation or training code type/code combination, allowing multiple codes systems to be used.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. codetype	char(2)	Primary Key 2	Code describing the type of occupation or training classification code.
3. code	char(10)	Primary Key	The classification code used by the state for this data element. This could be a CIP, DOT, OEWS, SOC or other occupational code. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
4. codetitle	varchar(200)		The descriptive title for this occupation or training code.
Constraint Information				

1. Foreign Key (occcodes.stfips) references (stfipstb.stfips)

2. Foreign Key (occcodes.codetype) references (occtypes.codetype)

occdirectory

🍎

A table of Micro Matrix occupation codes for which projections are performed.

Field Name	Type	Constraint	Description
1. matrixocccode	char(10)	Primary Key	Occupation code from Micro Matrix. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
2. periodyear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2021).
3. periodtype	char(2)	Primary Key 2	Code describing type of period (e.g. Long-term projections, short-term projections, etc.)
4. period	char(2)	Primary Key 2	Period Code. Will be set to 00 where periodtype in annual based.
5. matrixocctitle	varchar(200)		Occupation title.
6. subtotal	char(1)	3	Sum level of the information
Constraint Information				

1. Foreign Key (occdirectory.periodyear) references (periodyears.periodyear)

2. Foreign Key (occdirectory.periodtype, occdirectory.period) references (periods.periodtype, periods.period)

3. Foreign Key (occdirectory.subtotal) references (occsublevels.subtotal)

occsublevels

🍎

A table of occupation summary level information.

Field Name	Type	Constraint	Description
1. subtotal	char(1)	Primary Key	Sum level of the information.
2. subtotaldesc	varchar(60)		Sum level description.
Constraint Information				

occtypes

🍎

The table of occupation and training code types used in the WID database.

Field Name	Type	Constraint	Description
1. codetype	char(2)	Primary Key	Code describing the type of occupation or training classification code.
2. codetypedesc	varchar(40)		Title of classification Code.

onetcode

The table of O*NET codes and their descriptions.

Field Name	Type	Constraint	Description
1. onetcode	char(8)	Primary Key	A 6 or 8-digit code* assigned to the Occupational Information Network (O*NET) occupational title. For codes not 8 characters long, left justify and blank (ASCII 32) fill.
2. onetcodetype	char(2)	Primary Key	Code type for the O*NET code.
3. onetyear	char(4)		O*NET code version year.
4. onettitle	varchar(200)		Title of O*NET Code.
5. onetdesc	varchar(MAX)		Description of the specified O*NET code.

1. Foreign Key (onetcode.onetcodetype) references (occtypes.codetype)

Trigger Information

Use triggers on INSERT, UPDATE or DELETE of onetcode to maintain occcodes. (statelst.stfips, '12', onetcode.onetcode, onetcode.onettitle) maintains (occcodes.stfips, occcodes.codetype, occcodes.code, occcodes.codetitle)

ownerships

The table of codes for each type of ownership.

Field Name	Type	Constraint	Description
2. ownership	char(2)	Primary Key	A 2-digit indicator that identifies the employer by public or private ownership.
3. ownertitle	varchar(40)		Title of ownership.
4. ownerdesc	varchar(MAX)		Description of ownership.

Constraint Information

periods

The table of time periods used in the WID.

Field Name	Type	Constraint	Description
1. periodtype	char(2)	Primary Key 1	Code describing type of period (e.g. Annual, quarterly, monthly, etc.)
2. period	char(2)	Primary Key	Period code.
3. perioddesc	varchar(25)		Description of the time period

Constraint Information

1. Foreign Key (periods.periodtype) references (periodtypes.periodtype)

periodtypes

The table of types of time periods used (e.g. Annual, quarterly, hourly, etc.)

Field Name	Type	Constraint	Description
1. periodtype	char(2)	Primary Key	Code describing type of period (e.g. Annual, quarterly, monthly, etc.)
2. periodtypedesc	varchar(40)		A description of the period type.

periodyears

A list of valid years for data.

Field Name	Type	Constraint	Description
1. periodyear	char(4)	Primary Key	the year for data.

populationsource

A Table of the codes of the source of population estimates.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. popsource	char(1)	Primary Key	Source code for population data.
3. popsourcedesc	varchar(40)		Description of population source.
Constraint Information			
1. Foreign Key (populationsource.stfips) references (stfipstb.stfips)			

privategovt

A table of private/government status codes used in the empdb.

Field Name	Type	Constraint	Description
1. ownership	char(1)	Primary Key	Code for the private/government status code.
2. prvgovdesc	varchar(15)		Description of the code.

qwitype

This table contains quarterly workforce indicator (QWI) code type descriptions.

Field Name	Type	Constraint	Description
1. qwitype	char(2)	Primary Key	Code for the QWI type.
2. qwitypdesc	varchar(75)		Description of the QWI type

racecodes

Table of races used in demographics

Field Name	Type	Constraint	Description
1. racecode	char(2)	Primary Key	Code representing race for demographics
2. racedesc	varchar(35)		Description of the race code

salestypes

A table of sales statistic types.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. salestype	char(2)	Primary Key	A code that represents the sales type.
3. salestypedesc	varchar(40)		A description of the sales type.
Constraint Information			
1. Foreign Key (salestypes.stfips) references (stfipstb.stfips)			

sizeclasses

A table of codes for the size of an establishment's workforce. First 10 codes are QCEW codes, the rest are for states' use.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. sizeclass	char(2)	Primary Key	A 2-digit code identifying the size of the establishment's workforce.
3. sizedesc	varchar(40)		Description or title of sizeclass.
Constraint Information			
1. Foreign Key (sizeclasses.stfips) references (stfipstb.stfips)			

soccode   **Revised in v3.0**

The table of the current Standard Occupational Classification (SOC) codes.

Field Name	Type	Constraint	Description
1. soccode	char(6)	Primary Key	A 6-digit code assigned to the SOC occupational title from the current SOC Classification System.
2. soccodetype	char(2)	Primary Key 1	A code describing the SOC version classification code
3. soctitle	varchar(75)		The title assigned to that SOC occupation. *Note: No standard short titles are currently available.
4. soctitlel	varchar(200)		The long title assigned to the SOC occupation.
5. socdesc	varchar(MAX)		A narrative description of the SOC occupational title.
6. education	char(1)	2	Typical education needed for entry into the occupation
7. experiencedwage	char(1)	3	Work experience in a related occupation
8. training	char(1)	4	On-the-job training needed to attain competency in the occupation
9. oewsflag	char(1)		Flag indicating whether the occupation is an OEWS-only occupation: 0 = SOC occupation; 1 = OEWS only occupation
10. socparent	char(6)	5	Parent SOC code to use for rollup.
11. socparentcodetype	char(2)	5	Version code for SOC parent
12. oohtrntm	char(1)	6	Code assigned for education/training category. This is a legacy code system included for storing historical data.
Constraint Information			
1. Foreign Key (soccode.soccodetype) references (occtypes.codetype)			
2. Foreign Key (soccode.education) references (education.educat)			
3. Foreign Key (soccode.experience) references (experience.expercat)			
4. Foreign Key (soccode.training) references (training.trainingcat)			
5. Foreign Key (soccode.socparent, soccode.socparentcodetyp) references (soccode.soccode, soccode.soccodetype)			
6. Foreign Key (soccode.oohtrntm) references (oohtrntm.oohtrntm)			
Trigger Information			

Use triggers on INSERT, UPDATE or DELETE of soccode to maintain occcodes. (statelst.stfips, soccode.codetype, soccode.soccode, soccode.soctitle) maintains (occcodes.stfips, occcodes.codetype, occcodes.code, occcodes.codetitle)

statefips

The table of State FIPS codes.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key	State FIPS code.
2. statename	varchar(20)		State name.
3. abbreviation	char(2)		The two letter State abbreviation.

stateprogramcode

Revised in v3.0

A table for State-specific training program codes.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2	State FIPS Code
2. codetype	char(2)	Primary Key	A code describing the State classification code. NOTE that this should be set to '09', or issues could occur with the occcodes table.
3. code	char(10)	Primary Key	The classification code used by the state for this data element. This code could be DOT, OEWS, CIP, Cluster, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
4. title	varchar(200)		The program title represented by the code.
5. cipcode	char(10)	2	A 10-digit code assigned to a Classification of Instructional Programs (CIP) program title.
6. cipcodetype	char(2)	2	A code describing the version of the CIP code.
7. titledesc	varchar(MAX)		The program description.

Constraint Information

1. Foreign Key (stateprogramcode.stfips) references (stfipstb.stfips)

2. Foreign Key (stateprogramcode.stfips, stateprogramcode.cipcodetype, stateprogramcode.cipcode) references (occcodes.stfips, occcodes.codetype, occcodes.code)

Trigger Information

Use triggers on INSERT, UPDATE or DELETE of stprogcd to maintain occcodes. (stprogcd.stfips, stprogcd.codetype, stprogcd.code, stprogcd.title) maintains (occcodes.stfips, occcodes.codetype, occcodes.code, occcodes.codetitle)

statistictypes

A table of types of statistical measurement.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. statistictype	char(2)	Primary Key	A code that represents the statistical type.
3. statistictypedesc	varchar(50)		A description of the statistical type of measurement.

Constraint Information

1. Foreign Key (statistictypes.stfips) references (stfipstb.stfips)

stockexchange

A table of the stock exchange codes used in the empdb table.

Field Name	Type	Constraint	Description
1. stockexchangecode	char(1)	Primary Key	Stock Exchange code.
2. stockexchangedesc	varchar(40)		Description of the stock exchange code.

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subgeographies

A table of substate geographic areas and the larger areas that contain the areas.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. substfips	char(2)	Primary Key 2	A 2-digit code assigned to represent a substate FIPS code.
6. subareatype	char(2)	Primary Key 2	A 2-digit code assigned to represent the type of substate area.
7. subareatypeversion	numeric(4)	Primary Key 2	Code indicating the area type version. Default = 0
8. subarea	char(6)	Primary Key 2	A 6-digit code assigned to represent the name of the substate area.

Constraint Information
1. Foreign Key (subgeographies.stfips, subgeographies.areatype, subgeographies.areatypeversion, subgeographies.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area) 2. Foreign Key (subgeographies.substfips, subgeographies.subareatype, subgeographies.subareatypeversion, subgeographies.subarea) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

taxtype

A table of the types of tax collected by a state.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code
2. taxtype	char(2)	Primary Key	A 2-digit code identifying the type of tax.
3. taxtypedesc	varchar(75)		A description of the tax.

Constraint Information
1. Foreign Key (taxtype.stfips) references (stfipstb.stfips)

transferpaymenttypes

A table of the types of government transfer payments received.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. paymenttype	char(2)	Primary Key	A 2-digit code identifying the government payment type.
3. paytydesc	varchar(40)		A description of the type of government payment.

Constraint Information
1. Foreign Key (transferpaymenttypes.stfips) references (stfipstb.stfips)

unittype
This table contains the building permit types, by state.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. unittype	char(2)	Primary Key	Code for the type of building permit.
3. unittypedesc	varchar(60)		Description of building permit.
Constraint Information			
1. Foreign Key (unittype.stfips) references (stfipstb.stfips)			

wageratetypes
A table of wage rate types (e.g. hourly, weekly, monthly, annually).

Field Name	Type	Constraint	Description
1. ratetype	char(1)	Primary Key	Code which identifies the type of wage rate.
2. ratetypedesc	varchar(40)		A description of the type of wage rate.

wagesource
A table of wage data sources.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. wagesource	char(1)	Primary Key	A code representing the source of wage data.
3. wagesourcedesc	varchar(60)		A description of the source of the wage data.
Constraint Information			
1. Foreign Key (wagesource.stfips) references (stfipstb.stfips)			

Data Tables

bed

Table of private sector business employment dynamics data, showing job losses and gains due to expansion, contraction, new and closed business.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 3	State FIPS Code
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to 00 where periodtype is annual.
8. indcodetype	char(2)	Primary Key 4	Code for the type of industry: 05 = SIC; 10 = NAICS
9. indcode	char(6)	Primary Key 4	The industry code.
10. adjusted	char(1)	Primary Key	Indicates whether data is seasonally adjusted: 0 = Not Adjusted; 1 = Adjusted
11. bedtypecode	char(1)	Primary Key 5	Indicator of the type of data.
12. bedemp	numeric(12)		Amount of employment gain/loss
13. bedemppercent	numeric(4,1)		Percent employment gain/loss
14. bedestabs	numeric(12)		Number of establishments involved in gain/loss
15. bedestabspercent	numeric(4,1)		Percent establishments involved in gain/loss
16. suppress	char(1)		An indicator that the record contains confidential data that must be suppressed for public use: 0 = Not Suppressed; 1 = Suppressed

Constraint Information

1. Foreign Key (bed.stfips, bed.areatype, bed.areatypeversion, bed.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (bed.periodyear) references (periodyears.periodyear)

3. Foreign Key (bed.periodtype, bed.period) references (periods.periodtype, periods.period)

4. Foreign Key (bed.stfips, bed.indcodetype, bed.indcode) references (indcodes.stfips, indcodes.codetype, indcodes.code)

5. Foreign Key (bed.bedtypcode) references (bedtypes.bedtypcode)

buildingpermits

Table of building permits awarded per area and time period.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 3	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to '00' where periodtype is annual.
8. unittype	char(2)	Primary Key 4	Code for the type of building permit.
9. units	numeric(7)		Number of building permits.
10. unitcost	numeric(12)		Building construction cost.

Constraint Information
1. Foreign Key (buildingpermits.stfips, buildingpermits.areatype, buildingpermits.areatypeversion, buildingpermits.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (buildingpermits.periodyear) references (periodyears.periodyear)
3. Foreign Key (buildingpermits.periodtype, buildingpermits.period) references (periods.periodtype, periods.period)
4. Foreign Key (buildingpermits.stfips, buildingpermits.unittype) references (unittype.stfips, unittype.unittype)

ces

Employment estimates as reported by the CES.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4	State FIPS Code
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to 00 where periodtype is annual.
8. seriescode	char(8)	Primary Key 4	Industrial Series code.
9. adjusted	char(1)	Primary Key	Indicates if record contains seasonally adjusted data. 1 = adjusted; 0 = not adjusted
10. benchmark	char(4)	5	Benchmark year of the data.
11. prelim	char(1)		Preliminary/revised flag. 0 = Not Preliminary; 1 = Preliminary
12. empces	numeric(9)		Number employed by place of work; actual number, not in thousands.
13. empproductionworkers	numeric(9)		Number of Production workers;
14. empfemale	numeric(9)		Number of females employed; actual number, not in thousands.
15. hoursperweek	numeric(3,1)		Average hours worked per week.
16. earningsperweek	numeric(8,2)		Average weekly earnings.
17. earningsperhour	numeric(6,2)		Average hourly earnings.
18. supprecord	char(1)		Suppress total record. 1 = Suppressed; 0 = Not Suppressed
19. supphe	char(1)		Suppress hours and earnings.
20. supppw	char(1)		Suppress Production Workers.
21. suppfem	char(1)		Suppress Female Employment.
22. hoursallworkers	numeric(3,1)		Average hours worked per week for all workers.
23. earningsallworkers	numeric(8,2)		Average weekly earnings for all workers.
24. hourlyearningsallworke	numeric(6,2)		Average hourly earnings for all workers.
25. suppheallwrkr	char(1)		Suppress hours and earnings for all workers: 0 = not suppressed; 1 = suppressed

Constraint Information

1. Foreign Key (ces.stfips, ces.areatype, ces.areatypeversion, ces.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (ces.periodyear) references (periodyears.periodyear)

3. Foreign Key (ces.periodtype, ces.period) references (periods.periodtype, periods.period)

4. Foreign Key (ces.stfips, ces.seriescode) references (cescode.stfips, cescode.seriescode)

5. Foreign Key (ces.benchmark) references (benmark.benchmark)

commute

Commuting patterns, by and to geographic areas.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to 00 where periodtype is annual.
8. workstfips	char(2)	Primary Key 4	State FIPS Code of workplace.
9. workareatype	char(2)	Primary Key 4	Area type code for workplace.
10. workareatypeversion	numeric(4)	Primary Key 4	Code indicating the area type version. Default = 0
11. workarea	char(6)	Primary Key 4	Area code for workplace.
12. workers	numeric(8)		Number of workers.

Constraint Information

1. Foreign Key (commute.stfips, commute.areatype, commute.areatypeversion, commute.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (commute.periodyear) references (periodyears.periodyear)

3. Foreign Key (commute.periodtype, commute.period) references (periods.periodtype, periods.period)

4. Foreign Key (commute.workstfips, commute.workareatype, commute.workareatypeversion, commute.workarea) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

cpi
Table of Consumer Price Indices.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4, 5	State FIPS Code
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to 00 where periodtype is annual.
8. cpitype	char(2)	Primary Key 4	Type of CPI measure.
9. cpisource	char(1)	Primary Key 5	Source of the CPI measure.
10. cpi	numeric(8,3)		CPI measure.
11. pctchangey2y	numeric(6,1)		The percent change in the CPI from the period exactly one year ago to the current period.
12. pctchangem2m	numeric(6,1)		The percent change in the CPI from the period exactly one month ago to the current month.

Constraint Information

1. Foreign Key (cpi.stfips, cpi.areatype, cpi.areatypeversion, cpi.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (cpi.periodyear) references (periodyears.periodyear)

3. Foreign Key (cpi.periodtype, cpi.period) references (periods.periodtype, periods.period)

4. Foreign Key (cpi.stfips, cpi.cpitype) references (cpitype.stfips, cpitype.cpitype)

5. Foreign Key (cpi.stfips, cpi.cpisource) references (cpisource.stfips, cpisource.cpisource)

cpiplus

Enhanced CPI content with more indices and geographies available.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 5	State FIPS code
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: set to '31' for BLS CPI Geographic Area
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006)
6. periodtype	char(2)	Primary Key 3	Code describing the type of period (e.g., annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period code. Will be set to '00' when periodtype is annual.
8. adjusted	char(1)	Primary Key	Indicates whether record contains seasonally adjusted data: 0 = not adjusted; 1 = adjusted
9. cpiindex	char(1)	Primary Key	Indicates the index represented: U = All urban consumers; W = Urban wage earners and clerical workers
10. cpiitem	char(9)	Primary Key 4	Code that identifies market basket items included in the index
11. cpisource	char(1)	Primary Key 5	Source of the CPI measure
12. basis	char(4)		The 4-digit representation of the terminal year of the base period for the index (Current value is '1984' since the index uses 1982-84 as its base period)
13. cpi	number(8,3)		CPI measure
14. pctchangeyty	numeric(6,1)		The percent change in the CPI from the period exactly one year ago to the current period
15. pctchangemtm	numeric(6,1)		The percent change in the CPI from the period exactly one month ago to the current period

Constraint Information
1. Foreign Key (cpiplus.stfips, cpiplus.areatype, cpiplus.areatypeversion, cpiplus.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (cpiplus.periodyear) references (periodyears.periodyear)
3. Foreign Key (cpiplus.periodtype, cpiplus.period) references (periods.periodtype, periods.period)
4. Foreign Key (cpiplus.cpiitem) references (itemcpi.cpiitem)
5. Foreign Key (cpiplus.stfips, cpiplus.cpisource) references (cpisource.stfips, cpisource.cpisource)

demographics

Table of population estimates and demographic characteristics by geographic area and time period.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	Six-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to '00' where periodtype is annual.
8. popsource	char(1)	Primary Key 4	Source Code for population data.
9. population	number(9)		Number representing the population total for the specified geographic area and time period.
10. female	number(9)		Total female population
11. male	number(9)		Total male population
12. medianwage	number(4,1)		Population median age
13. medianmale	number(4,1)		Male population median age
14. medianfemale	number(4,1)		Female population median age
15. totalunder5	number(9)		Total population age under 5
16. femaleunder5	number(9)		Female population age under 5
17. maleunder5	number(9)		Female population age under 5
18. total5to9	number(9)		Total population age 5-9
19. female5to9	number(9)		Female population age 5-9
20. male5to9	number(9)		Male population age 5-9
21. total10to14	number(9)		Total population age 10-14
22. female10to14	number(9)		Female population age 10-14
23. male10to14	number(9)		Female population age 10-14
24. total15to19	number(9)		Total population age 15-19
25. female15to19	number(9)		Female population age 15-19
26. male15to19	number(9)		Male population age 15-19
27. total15to17	number(9)		Total population age 15-17
28. female15to17	number(9)		Female population age 15-17
29. male15to17	number(9)		Male population age 15-17
30. total18to19	number(9)		Total population age 18-19
31. female18to19	number(9)		Female population age 18-19
32. male18to19	number(9)		Male population age 18-19
33. total20to24	number(9)		Total population age 20-24
34. female20to24	number(9)		Female population age 20-24
35. male20to24	number(9)		Male population age 20-24
36. total20	number(9)		Total population age 20
37. female20	number(9)		Female population age 20
38. male20	number(9)		Male population age 20

demographics

Table of population estimates and demographic characteristics by geographic area and time period.

Field Name	Type	Constraint	Description
39. total21	number(9)		Total population age 21
40. female21	number(9)		Female population age 21
41. male21	number(9)		Male population age 21
42. total22to24	number(9)		Total population age 22-24
43. female22to24	number(9)		Female population age 22-24
44. male22to24	number(9)		Male population age 22-24
45. total25to34	number(9)		Total population age 25-34
46. female25to34	number(9)		Female population age 25-34
47. male25to34	number(9)		Male population age 25-34
48. total25to29	number(9)		Total population age 25-29
49. female25to29	number(9)		Female population age 25-29
50. male25to29	number(9)		Male population age 25-29
51. total30to34	number(9)		Total population age 29-34
52. female30to34	number(9)		Female population age 29-34
53. male30to34	number(9)		Male population age 29-34
54. total35to44	number(9)		Total population age 35-44
55. female35to44	number(9)		Female population age 35-44
56. male35to44	number(9)		Male population age 35-44
57. total35to39	number(9)		Total population age 35-39
58. female35to39	number(9)		Female population age 35-39
59. male35to39	number(9)		Male population age 35-39
60. total40to44	number(9)		Total population age 40-44
61. female40to44	number(9)		Female population age 40-44
62. male40to44	number(9)		Male population age 40-44
63. total45to54	number(9)		Total population age 45-54
64. female45to54	number(9)		Female population age 45-54
65. male45to54	number(9)		Female population age 45-54
66. total45to49	number(9)		Total population age 45-49
67. female45to49	number(9)		Female population age 45-49
68. male45to49	number(9)		Male population age 45-49
69. total50to54	number(9)		Total population age 50-54
70. female50to54	number(9)		Female population age 50-54
71. male50to54	number(9)		Female population age 50-54
72. total55to59	number(9)		Total population age 55-59
73. female55to59	number(9)		Female population age 55-59
74. male55to59	number(9)		Male population age 55-59
75. total60to64	number(9)		Total population age 60-64
76. female60to64	number(9)		Female population age 60-64
77. male60to64	number(9)		Male population age 60-64
78. total60to61	number(9)		Total population age 60-61
79. female60to61	number(9)		Female population age 60-61
80. male60to61	number(9)		Male population age 60-61
81. total62to64	number(9)		Total population age 62-64

demographics			Revised in v3.0
Table of population estimates and demographic characteristics by geographic area and time period.			
Field Name	**Type**	**Constraint**	**Description**
82. female62to64	number(9)		Female population age 62-64
83. male62to64	number(9)		Male population age 62-64
84. total65to69	number(9)		Total population age 65-74
85. female65to69	number(9)		Female population age 65-74
86. male65to69	number(9)		Male population age 65-74
87. total65to66	number(9)		Total population age 65-66
88. female65to66	number(9)		Female population age 65-66
89. male65to66	number(9)		Male population age 65-66
90. total67to69	number(9)		Total population age 67-69
91. female67to69	number(9)		Female population age 67-69
92. male67to69	number(9)		Male population age 67-69
93. total70to74	number(9)		Total population age 70-74
94. female70to74	number(9)		Female population age 70-74
95. male70to74	number(9)		Male population age 70-74
96. total75to84	number(9)		Total population age 75-84
97. female75to84	number(9)		Female population age 75-84
98. male75to84	number(9)		Male population age 75-84
99. total75to79	number(9)		Total population age 75-79
100. female75to79	number(9)		Female population age 75-79
101. male75to79	number(9)		Male population age 75-79
102. total80to84	number(9)		Total population age 80-84
103. female80to84	number(9)		Female population age 80-84
104. male80to84	number(9)		Male population age 80-84
105. total85xx	number(9)		Total population age 85 and over
106. female85xx	number(9)		Female population age 85 and over
107. male85xx	number(9)		Male population age 85 and over
108. total18xx	number(9)		Total population age 18 and over
109. female18xx	number(9)		Female population age 18 and over
110. male18xx	number(9)		Male population age 18 and over
111. total21xx	number(9)		Total population age 21 and over
112. female21xx	number(9)		Female population age 21 and over
113. male21xx	number(9)		Male population age 21 and over
114. total62xx	number(9)		Total population age 62 and over
115. female62xx	number(9)		Female population age 62 and over
116. male62xx	number(9)		Male population age 62 and over
117. onerace	number(9)		Population: one race
118. white	number(9)		One race: White
119. black	number(9)		One race: Black or African American
120. naan	number(9)		One race: American Indian or Alaskan Native
121. asian	number(9)		One race: Asian
122. pacificislander	number(9)		One race: Native Hawaiian and Other Pacific Islander
123. other	number(9)		One race: Other
124. twomoraces	number(9)		Two or more races

demographics			**Revised in v3.0**

Table of population estimates and demographic characteristics by geographic area and time period.

Field Name	Type	Constraint	Description
125. hispanic	number(9)		Hispanic or Latino
126. hispanicwhite	number(9)		Hispanic or Latino: White Alone
127. hispanicblack	number(9)		Hispanic or Latino: Black or African American
128. hispanicnaan	number(9)		Hispanic or Latino: American Indian or Alaskan Native
129. hispanicasian	number(9)		Hispanic or Latino: Asian
130. hispanicpacificisland	number(9)		Hispanic or Latino: Hawaiian and Other Pacific Islander
131. hispanicother	number(9)		Hispanic or Latino: Some other race alone
132. hispanic2moreraces	number(9)		Hispanic or Latino: Two or more races

Constraint Information

1. Foreign Key (demographics.stfips, demographics.areatype, demographics.areatypeversion, demographics.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (demographics.periodyear) references (periodyears.periodyear)

3. Foreign Key (demographics.periodtype, demographics.period) references (periods.periodtype, periods.period)

4. Foreign Key (demographics.stfips, demographics.popsource) references (popsource.stfips, popsource.popsource)

Table Notes

1: For multi-year estimates, periodyear should be set to the terminal year, eg. 2008 for 2006-2008 estimates.

empdb

The Employer Database, used for data on individual companies, subject to license agreements between States and the vendor.

Field Name	Type	Constraint	Description
1. stfips	char(2)	1	State FIPS code of employer's physical location.
2. areatype	char(3)	1	Always township code '14' for New England states; always county code '04' for all other states.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	1	A 3-digit code assigned to county (fips) or township where business is located, front filled with zeroes.
5. uniqueid	char(9)	Primary Key	Employer's unique id assigned by InfoGroup.
6. fein	char(9)		Federal Employer Identification Number
7. lastupdate	char(6)		Date of record's most recent update or verification from Yellow Page compilation or other sources.
8. name	varchar(35)		Name by which the business is known or under which it conducts business.
9. addressP	varchar(40)		Employer's physical location - street address
10. cityP	varchar(30)		Employer's physical location - city
11. stateP	char(2)		Employer's physical location - state
12. zipcodeP	char(5)		Employer's physical location - zip code
13. zipplusP	char(4)		Employer's physical location - zip + 4
14. latitude	numeric(11,6)		Employer's physical location - latitude
15. longitude	numeric(11,6)		Employer's physical location - longitude
16. geoprecisioncode	char(1)	2	Employer's physical location - geocode precision level code. The precision of the longitude and latitude coordinates.
17. censustract	char(6)		Census tract - A statistical subdivision of a county
18. censusblockgroup	char(1)		Census block group - a combination of census blocks within a census tract.
19. addressM	varchar(40)		Employer's mailing address - street address
20. cityM	varchar(30)		Employer's mailing address - city
21. stateM	char(2)		Employer's mailing address - state
22. zipcodeM	char(5)		Employer's mailing address - zip-code
23. zipplusM	char(4)		Employer's mailing address - zip + 4
24. addressL	varchar(40)		Employer's landmark address - landmark
25. cityL	varchar(30)		Employer's landmark address - city
26. stateL	char(2)		Employer's landmark address - state
27. zipcodeL	char(5)		Employer's landmark address - zip-code
28. zipplusL	char(4)		Employer's landmark address - zip + 4
29. telenum	char(10)		Employer's telephone number with area code.
30. contactlastname	varchar(30)		Contact's last name.
31. contactfirstname	varchar(30)		Contact's first name.
32. contacttitle	varchar(35)		Contact's title(e.g., HR director, owner, president)
33. contacttitlecode	char(1)	3	Contact's title code
34. contactprotitle	char(3)	4	Contact's professional title
35. contactgender	char(1)		Contact's gender code
36. contactemail	varchar(60)		Contact's email address
37. tollfreetelephone	char(10)		Employer's toll-free telephone number
38. faxnumber	char(10)		Employer's fax number.

empdb

The Employer Database, used for data on individual companies, subject to license agreements between States and the vendor.

Field Name	Type	Constraint	Description
39. weburl	varchar(40)		Employer's web site address (URL).
40. businessdesc	varchar(45)		Business description(a one-line 'line of business' identifier).
41. primarysic	char(6)		Employer's primary SIC code.
42. sic2	char(6)		Employer's SIC code #2
43. sic3	char(6)		Employer's SIC code #3
44. sic4	char(6)		Employer's SIC code #4
45. sic5	char(6)		Employer's SIC code #5
46. primarynaics	char(8)		Employer's primary NAICS code.
47. naics2	char(8)		Employer's NAICS code #2
48. naics3	char(8)		Employer's NAICS code #3
49. naics4	char(8)		Employer's NAICS code #4
50. naics5	char(8)		Employer's NAICS code #5
51. ownership	char(1)	5	Identifies whether the business is a government or private sector entity.
52. locationstatuscode	char(1)	6	Identifies the business location status.
53. stockexchangecode	char(1)	7	Stock exchange code identifies the Stock Exchange where the business conducts trading activity.
54. stockticker	char(6)		Stock "TICKER" symbol is shown for companies that are traded on any public stock exchange or listed in the NASDAQ "over the counter" quotation system or other small exchanges (i.e., Chicago Mercantile).
55. whitecollarpct	numeric(4,1)		Percentage of white collar employment
56. whitecollarflag	char(1)		White collar indicator: 1 = Over 50% white collar employment
57. empsizerange	char(2)	8	Code for the number of employees that work at this business location, by range.
58. empsizevalue	numeric(9)		Number of employees who work at this location of the business.
59. empsizeflag	char(1)	9	Code identifying how the employment (empsizval) was derived.
60. annsalesrange	char(2)	10	Code for the estimated sales of the business at this location, in thousands, by range.
61. annualsales	varchar(15)		Estimated annual sales volume of the business at this location.
62. annsalesflag	char(1)	11	Code identifying how the annual sales volume was derived.
63. yearest	char(4)		Year the business at this location was established or identified and added to the database.
64. creditcode	char(1)	12	Credit rating code: an indicator of a business' financial status, or probable ability to pay. These are modeled; they do not reflect actual payment history. Users must be cautioned that these credit rating indicators should not be the sole factor in making a credit decision.
65. headquartersid	char(9)		The uniqueid of the regional or subsidiary headquarters of the business to which this record pertains.
66. parentid	char(9)		The uniqueid of the corporate parent of the business to which this record pertains. This may be the immediate or a higher level U.S. corporate parent of the business.
67. ultimateparentid	char(9)		The uniqueid of the ultimate corporate parent to which this record pertains. This may be a higher level U.S. or foreign corporate parent of the business. Since all locations of a business have the same ultimate parent number, this field provides 'corporate ownership' linkage information.

empdb

The Employer Database, used for data on individual companies, subject to license agreements between States and the vendor.

Field Name	Type	Constraint	Description
68. foreignparentflag	char(1)		Foreign parent indicator. A '1' = foreign affiliation.
69. exportimportflag	char(1)		Export Import indicator code Indicates the type of services provided.
70. businesstype	char(1)		Code helps identify if the record represents a professional individual versus a firm.
71. workathome	char(1)		Work-at-home business. A '1' indicates a home business.
72. releasenumber	char(3)	13	empdb release number

Constraint Information

1. Foreign Key (empdb.stfips, empdb.areatype, empdb.areatypeversion, empdb.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (empdb.geopcode) references (geocode.geopcode)

3. Foreign Key (empdb.contacttitlecode) references (contacttitle.contacttitlecode)

4. Foreign Key (empdb.contactprotitle) references (contactpro.contactprotitle)

5. Foreign Key (empdb.privgovsta) references (prvgovst.privgovsta)

6. Foreign Key (empdb.locstat) references (locstat.locstat)

7. Foreign Key (empdb.stockexchcode) references (stockexch.stockexchcode)

8. Foreign Key (empdb.empsizrng) references (empszrng.empsizrng)

9. Foreign Key (empdb.empsizflg) references (empszflg.empsizflg)

10. Foreign Key (empdb.annsalrng) references (annslrng.annsalrang)

11. Foreign Key (empdb.annsalflg) references (annslflg.annsalflg)

12. Foreign Key (empdb.creditcd) references (creditcd.creditcd)

13. Foreign Key (empdb.releaseno) references (empdbinf.releaseno)

income			**Revised in v3.0**

Income data by geography.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4, 5	State FIPS Code
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to 00 where periodtype is annual.
8. incometype	char(2)	Primary Key 4	Code describing type of income measure.
9. incomesource	char(1)	Primary Key 5	Source of the income measure.
10. income	numeric(14)		Value of income measure.
11. incomerank	numeric(3)		Rank of income measure.
12. population	numeric(10)		Population of the geography referenced. (Related to inctype e.g., number of households, number of families, number persons.)
13. releasedate	char(8)		Release Date (yyyymmdd)
Constraint Information			

1. Foreign Key (income.stfips, income.areatype, income.areatypeversion, income.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (income.periodyear) references (periodyears.periodyear)
3. Foreign Key (income.periodtype, income.period) references (periods.periodtype, periods.period)
4. Foreign Key (income.stfips, income.inctype) references (incomtyp.stfips, incomtyp.inctype)
5. Foreign Key (income.stfips, income.incsource) references (incsource.stfips, incsource.incsource)

industry

Table of covered employment by industry collected for the ES-202/QCEW report.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4, 5	State FIPS Code
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to 00 where periodtype is annual.
8. indcodetype	char(2)	Primary Key 5	Code describing the industry code type.
9. indcode	char(6)	Primary Key 5	A code used in the classification of establishments by type of activity in which they are engaged. For codes not 6 characters long, left justify and blank (ASCII 32) fill. Either SIC or NAICS code can be used.
10. ownership	char(2)	Primary Key 4	Ownership is a 2-digit indicator that identifies the employer by public or private ownership.
11. prelim	char(1)		Preliminary/revised flag: 0 = Not Preliminary; 1 = Preliminary
12. firms	numeric(8)		The number of firms in the industry.
13. establishments	numeric(8)		The number of employer establishments (reporting units) in the industry.
14. quarteravgemp	numeric(9)		The number of workers employed in the industry.
15. month1emp	numeric(9)		Employment on the first month of the quarter.
16. month2emp	numeric(9)		Employment on the second month of the quarter.
17. month3emp	numeric(9)		Employment on the third month of the quarter.
18. topemployeravgemp	numeric(9)		Average employment for the quarter or year of the top employer for the specified geography and industry code.
19. totalwages	numeric(14)		The total wages paid to all workers in the industry for the period.
20. avgweeklywage	numeric(8)		Average weekly wage per worker.
21. taxablewages	numeric(14)		Total taxable wages.
22. uicontributions	numeric(12)		Employer contributions to the UI fund.
23. suppress	char(1)		An indicator that the record contains confidential data that must be suppressed for public use: 0 = Not Suppressed; 1 = Suppress employment & wage data

Constraint Information

1. Foreign Key (industry.stfips, industry.areatype, industry.areatypeversion, industry.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (industry.periodyear) references (periodyears.periodyear)

3. Foreign Key (industry.periodtype, industry.period) references (periods.periodtype, periods.period)

4. Foreign Key (industry.stfips, industry.ownership) references (ownershp.stfips, ownershp.ownership)

5. Foreign Key (industry.stfips, industry.indcodty, industry.indcode) references (indcodes.stfips, indcodes.codetype, indcodes.code)

iowage

Table of wages by industry and occupation, from any source, including OEWS.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4, 5, 6	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area : e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.).
7. period	char(2)	Primary Key 3	Period Code. Will be set to '00' where periodtype is annual.
8. indcodetype	char(2)	Primary Key 5	Code describing the industry code type.
9. indcode	char(6)	Primary Key 5	A code used in the classification of establishments by type of activity in which they are engaged. For codes not 6 characters long, left justify and blank (ASCII 32) fill. Either SIC or NAICS code can be used.
10. occcodetype	char(2)	Primary Key 4	Code describing the type of occupational coding system.
11. occcode	char(10)	Primary Key 4	The occupational classification code used by the state for this data element. This code could be a DOT, OEWS, SOC, CENSUS, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
12. wagesource	char(1)	Primary Key 6	A code representing the source of the wage data.
13. empcount	numeric(10)		Total employment.
14. ratetype	char(1)	Primary Key	Code indicating what the rate shown is
15. responserate	numeric(6)		Response rate for the occupation's actual or real survey data. Does NOT include imputed data in the rate calculation.
16. meanwage	numeric(9,2)		Mean wage for the occupation.
17. entrywage	numeric(9,2)		Entry level wage for the occupation, mean of the first third (ALC definition).
18. experiencedwage	numeric(9,2)		Experienced level wage for the occupation, mean of upper two thirds (ALC definition).
19. percentile10wage	numeric(9,2)	Primary Key	Wage at tenth percentile.
20. percentile25wage	numeric(9,2)	Primary Key	Wage at twenty-fifth percentile.
21. medianwage	numeric(9,2)		Median wage of the occupation; by definition, also the wage at fiftieth percentile.
22. percentile75wage	numeric(9,2)	Primary Key	Wage at seventy-fifth percentile.
23. percentile90wage	numeric(9,2)	Primary Key	Wage at ninetieth percentile.
24. userdefinedpct	numeric(3)		User defined percentile.
25. udpctwage	numeric(9,2)		Wage at user defined percentile.
26. udrnglopct	numeric(3)		Low percentile for user defined range.
27. udrnghipct	numeric(3)		High percentile for user defined range.
28. udrngmean	numeric(9,2)		Mean wage for user defined range.
29. wagerelativepcterror	numeric(6,2)	Primary Key	Relative percent error on wage.
30. emprelativepcterror	numeric(6,2)		Relative percent error on employment.
31. suppresswage	char(1)		An indicator that the wage values should be suppressed.
32. panelcode	char(6)		Reference panel code (yyyymm)

iowage

Table of wages by industry and occupation, from any source, including OEWS.

Field Name	Type	Constraint	Description
33. suppressall	char(1)		An indicator that the record contains confidential data.
34. suppressemp	char(1)		An indicator that the employment values should be suppressed.

Constraint Information
1. Foreign Key (iowage.stfips, iowage.areatype, iowage.areatypeversion, iowage.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (iowage.periodyear) references (periodyears.periodyear)
3. Foreign Key (iowage.periodtype, iowage.period) references (periods.periodtype, periods.period)
4. Foreign Key (iowage.stfips, iowage.occodetype, iowage.occcode) references (occcodes.stfips, occcodes.codetype, occcodes.code)
5. Foreign Key (iowage.stfips, iowage.indcodty, iowage.indcode) references (indcodes.stfips, indcodes.codetype, indcodes.code)
6. Foreign Key (iowage.stfips, iowage.wagesource) references (wgsource.stfips, wgsource.wagesource)
7. Foreign Key (iowage.ratetype) references (wageratetypes.ratetype)

jolts

The Job Openings and Labor Turnover Survey program provides national estimates of rates and levels for job openings, hires, and total separations. Total separations are further broken out into quits, layoffs and discharges, and other separations.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS code
2. areatype	char(2)	Primary Key 1	Code describing type of geographic area: e.g county service delivery area, MSA BLS Region = 06
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	Six-digit code assigned to represent a geographic area. Front fill with zeroes
5. periodyear	char(4)	Primary Key 2	Character representation of calendar year
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly)
7. period	char(2)	Primary Key 3	Period Code. Will be set to 00 where periodtype is annual.
8. indcodetype	char(2)	Primary Key 4	Code for the type industry: 05 = SIC 10 = NAICS
9. indcode	char(6)	Primary Key 4	Industry code
10. adjusted	char(1)		Indicates whether data is seasonally adjusted 0 = Not Adjusted 1 = Adjusted
11. joltstypecode	char(2)	Primary Key	Indicator of the type of data:
12. prelim	char(1)		0 = Not prelim 1 = Prelim
13. value	numeric(9)		In thousands
14. rate	numeric(8,2)		Percent

1. Foreign Key (jolts.stfips, jolts.areatype, jolts.areatypeversion, jolts.area) references (geog.stfips, geog.areatype, geog.areatypeversion, geog.area)

2. Foreign Key (jolts.periodyear) references (periodyears.periodyear)

3. Foreign Key (jolts.periodtype, jolts.period) references (periods.periodtype, periods.period)

4. Foreign Key (jolts.indcodetype, jolts.indcode) references (indcodes.indcodetype, indcodes.indcode)

5. Foreign Key (jolts.joltstypecode) references (joltstypes.joltstypecode)

laborforce

Employment and unemployment estimates reported from the Local Area Unemployment Statistics.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to 00 where periodtype is annual.
8. adjusted	char(1)	Primary Key	Indicates if record contains seasonally adjusted data. 1 = adjusted; 0 = not adjusted
9. prelim	char(1)		Indicates preliminary data: 0 = Not preliminary; 1 = preliminary
10. benchmark	char(4)	4	Benchmark year of the data.
11. laborforce	numeric(9)		Civilian labor force.
12. employed	numeric(9)		Number employed by place of residence.
13. unemployed	numeric(9)		Number unemployed.
14. unemployedrate	numeric(5,1)		Unemployment rate.
15. clfprate	numeric(5,1)		Civilian labor force participation rate
16. emppopratio	numeric(5,1)		Employment to population ratio

Constraint Information

1. Foreign Key (laborforce.stfips, laborforce.areatype, laborforce.areatypeversion, laborforce.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (laborforce.periodyear) references (periodperiodyears.periodyear)

3. Foreign Key (laborforce.periodtype, laborforce.period) references (periods.periodtype, periods.period)

4. Foreign Key (laborforce.benchmark) references (benmark.benchmark)

Table Notes

1: PLEASE NOTE: If aggregating smaller area records into larger areas, do not use rounded data records. This is particularly important for applications that sum records across areas.

license

Table of individual licenses authorized by a state.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code
2. areatype	char(3)	1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. licenseid	char(10)	Primary Key	A code that identifies the license for the specific occupational title.
6. licauthid	char(3)	1	A unique code that identifies the licensing authority.
7. lictitle	varchar(200)		License title.
8. licdesc	varchar(MAX)		Narrative description of the license.
9. licensetype	char(1)	2	An indicator of the type of license
10. exam	char(1)	3	An indicator of the exam requirements of the license
11. education	char(1)	4	An indicator of the education requirements of the license
12. continuingedu	char(1)	5	An indicator of the continuing education requirements of the license
13. certification	char(1)	6	An indicator of the certification requirements of the license
14. experiencedwage	char(1)	7	An indicator of the experience requirements of the license
15. criminal	char(1)	8	An indicator of restrictions on criminal records
16. physical	char(1)	9	An indicator of physical requirements
17. veteran	char(1)	10	An indicator of the type of veteran's preference
18. inactive	char(1)	11	An indicator of the active status of the license
19. licenseurl	char(200)		Uniform Resource Locator for license information
20. licenseupdated	char(8)		Last date the license information was updated. Format: yyyymmdd

Constraint Information
1. Foreign Key (license.stfips, license.areatype, license.area, license.licauthid) references (licauth.stfips, licauth.areatype, licauth.area, licauth.licauthid)
2. Foreign Key (license.licensetype) references (licensetypes.licensetype)
3. Foreign Key (license.exam) references (licenseexams.licenseexam)
4. Foreign Key (license.education) references (licenseeducation.licenseeducation)
5. Foreign Key (license.continuingedu) references (liccontinuingedu.licensecontinuingedu)
6. Foreign Key (license.certification) references (licensecertification.licensecertification)
7. Foreign Key (license.experience) references (licenseexperience.licenseexperience)
8. Foreign Key (license.criminal) references (licensecriminal.licensecriminal)
9. Foreign Key (license.physical) references (licensephysicalreqs.licensephysical)
10. Foreign Key (license.veteran) references (licenseveteran.licveteran)
11. Foreign Key (license.inactive) references (licenseactivestatus.licensestatus)

licenseauthorities

Table of licensing authorities for the state.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. licauthid	char(3)	Primary Key	A unique identifier for the licensing authority.
6. department	varchar(255)		The State department responsible for regulation.
7. division	varchar(255)		The division, office, or section of the department responsible for regulation (may be NULL).
8. board	varchar(255)		Complete name of regulatory board.
9. address1	varchar(75)		Address of licensing authority.
10. address2	varchar(75)		Second line for address.
11. city	varchar(30)		City.
12. st	char(2)		State.
13. zipcode	char(5)		Postal zip code for the business address.
14. zipext	char(4)		Four digit zip code extension.
15. latitude	numeric(11,6)		Physical location - latitude
16. longitude	numeric(11,6)		Physical location - longitude
17. geoprecisioncode	char(1)	2	Physical location - geocode precision level code. The precision of the longitude and latitude coordinates.
18. telephone	varchar(10)		Phone number.
19. teleext	varchar(10)		Phone number extension.
20. fax	varchar(10)		Licensing agency fax number.
21. contact	varchar(50)		Name of person to contact at the licensing agency.
22. email	varchar(70)		Licensing agency e-mail address.
23. url	varchar(200)		Uniform Resource Locator for the licensing agency.
Constraint Information			
1. Foreign Key (licenseauthorities.stfips, licenseauthorities.areatype, licenseauthorities.areatypeversion, licenseauthorities.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)			
2. Foreign Key (licenseauthorities.geopcode) references (geocode.geopcode)			

licensehistory

Table of the number of licenses awarded for a selected occupation.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4	State FIPS code.
2. areatype	char(3)	1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to '00' where periodtype is annual.
8. licenseid	char(10)	Primary Key 4	A code that identifies the license for the specific occupational title.
9. licnumtype	char(2)	Primary Key 5	A code that identifies the type of license information.
10. licnum	numeric(9)		A numerical value that represents the number of licenses awarded.

Constraint Information
1. Foreign Key (licensehistory.stfips, licensehistory.areatype, licensehistory.areatypeversion, licensehistory.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (licensehistory.periodyear) references (periodyears.periodyear)
3. Foreign Key (licensehistory.periodtype, licensehistory.period) references (periods.periodtype, periods.period)
4. Foreign Key (licensehistory.stfips, licensehistory.licenseid) references (license.stfips, license.licenseid)
5. Foreign Key (licensehistory.licnumtype) references (licnumty.licnumtype)

population

This table contains population estimates for a geographic area and time period.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to '00' where periodtype is annual.
8. popsource	char(1)	Primary Key 4	Source Code for population data.
9. population	numeric(10)		Number representing the population total for the specified geographic area and time period.
10. releasedate	char(8)		Release Date (yyyymmdd)

Constraint Information

1. Foreign Key (population.stfips, population.areatype, population.areatypeversion, population.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (population.periodyear) references (periodyears.periodyear)

3. Foreign Key (population.periodtype, population.period) references (periods.periodtype, periods.period)

4. Foreign Key (population.stfips, population.popsource) references (popsource.stfips, popsource.popsource)

programcompleters

This table contains information about program completers.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4, 5, 6	State FIPS code.
2. areatype	char(3)	1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. instcode	char(10)	Primary Key 5	Unique code representing the institution.
6. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
7. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.).
8. period	char(2)	Primary Key 3	Period Code. Will be set to '00' where periodtype is annual.
9. codetype	char(2)	Primary Key 6	Code describing the type of occupation or training code.
10. code	char(10)	Primary Key 6	The classification code used by the state for this data element. This code could be DOT, OEWS, CIP, Cluster, SOC, Census, etc. For codes not 10 character long, left justify and blank (ASCII 32) fill.
11. completertype	char(2)	Primary Key 4	A 2-digit code representing type of program completer.
12. completers	numeric(8)		Number of program completers.
13. placecomp	varchar(MAX)		Information about post completion labor force status of completers.

Constraint Information
1. Foreign Key (programcompleters.stfips, programcompleters.areatype, programcompleters.areatypeversion, programcompleters.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (programcompleters.periodyear) references (periodyears.periodyear)
3. Foreign Key (programcompleters.periodtype, programcompleters.period) references (periods.periodtype, periods.period)
4. Foreign Key (programcompleters.stfips, programcompleters.compltype) references (compltyp.stfips, compltyp.compltype)
5. Foreign Key (programcompleters.stfips, programcompleters.instcode) references (schools.stfips, schools.instcode)
6. Foreign Key (programcompleters.stfips, programcompleters.codetype, programcompleters.code) references (occcodes.stfips, occcodes.codetype, occcodes.code)

programs

This table contains information about occupational training

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2, 3, 4, 5,	State FIPS code.
2. areatype	char(3)	1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. instcode	char(10)	Primary Key 2	Unique code representing the institution / training provider.
6. codetype	char(2)	Primary Key 3	Code describing the type of occupation or training code.
7. code	char(10)	Primary Key 3	The classification code used by the state for this data element. This code could be DOT, OEWS, CIP, Cluster, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
8. completertype	char(2)	Primary Key 4	A 2-digit code representing type of program completed.
9. length	numeric(82)		The length of the training program at the institution (years, months, weeks, etc.)
10. lengthtype	char(2)	5	The identifying code assigned to the program length.
11. progcost	numeric(6)		The cost of the program.
12. progtitle	varchar(200)		Title used by the training provider for the program.
13. progdesc	varchar(MAX)		A narrative summary of the program objective.
14. cipcodetype	char(2)	6	Code describing the CIP version used.
15. cipcode	char(10)	6	A 10-digit code assigned to a Classification of Institutional Programs (CIP) program title.
16. url	varchar(200)		Uniform Resource Locator for the program.
17. classroom	char(1)		Classroom instruction: 1 = yes; 0 = no
18. online	char(1)		Online instruction: 1 = yes; 0 = no
19. classtime	char(1)	7	Times class is held; see field values
20. etplapproval	char(1)		ETPL approved program: 1 = approved; 0 = not approved

Constraint Information

1. Foreign Key (programs.stfips, programs.areatype, programs.areatypeversion, programs.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (programs.stfips, programs.instcode) references (schools.stfips, schools.instcode)

3. Foreign Key (programs.stfips, programs.codetype, programs.code) references (occcodes.stfips, occcodes.codetype, occcodes.code)

4. Foreign Key (programs.stfips, programs.compltype) references (compltyp.stfips, compltyp.compltype)

5. Foreign Key (programs.stfips, programs.lengthtype) references (lentype.stfips, lentype.lengthtype)

6. Foreign Key (programs.stfips, programs.cipcodetype, programs.cipcode) references (occcodes.stfips, occcodes.codetype, occcodes.code)

7. Foreign Key (programs.classtime) references (classtime.classtime)

projectionsmatrix

Table of the industry-occupation employment matrix.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2, 3, 4	State FIPS Code
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2, 3	Character representation of the calendar year (e.g. 2021).
6. periodtype	char(2)	Primary Key	Code describing type of period (e.g. Long-term projections, short-term projections, etc.)
7. period	char(2)	Primary Key	Period Code. Will be set to 00 where periodtype in annual based.
8. matrixindcode	char(15)	Primary Key 2	Matrix industry code from Micro Matrix.
9. matrixocccode	char(10)	Primary Key 3	Matrix occupation code from Micro Matrix. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
10. projectedyear	char(4)		Character representation of the projected calendar year (e.g. 2031).
11. estimatedemp	numeric(9)		The base-year employment estimate.
12. projectedemp	numeric(9)		The projected-year employment estimate.
13. pctestind	numeric(6,2)		The percentage of the base-year employment estimate for the indicated industry represented by the base-year employment estimate for the indicated occupation within that industry.
14. pctestocc	numeric(6,2)		The percentage of the base-year employment estimate for the indicated occupation represented by the base-year employment estimate for the indicated industry within that occupation.
15. pctprojind	numeric(6,2)		The percentage of projected employment for the indicated industry represented by projected employment for the indicated occupation within that industry.
16. pctprojocc	numeric(6,2)		The percentage of the projected employment estimate for the indicated occupation represented by the projected employment estimate for the indicated industry within that occupation.
17. change	numeric(9)		Numeric Change between the projected estimate and the base estimate.
18. percentchange	numeric(9,4)		Percent change over period.((projemp-estemp)/estemp)*100
19. growthrate	numeric(7,4)		A value representing the annualized percentage growth. This value is calculated by dividing the Projected year by the Base year. Taking the results to the 1/n power, where n is the number of years in the projection period, subtracting 1 from the result and multiplying that result by 100. Ie. grrate=(((projemp/estemp)^1/n)-1)*100
20. growthcode	char(2)	4	A descriptor to allow for state specific interpretation of the industry or occupation.
21. exits	numeric(9)		The number of exits from the labor force.
22. annualexits	numeric(9)		The annual number of exits from the labor force.
23. transfers	numeric(9)		The number of transfers from one occupation to another.
24. annualtransfers	numeric(9)		The annual number of transfers from one occupation to another.
25. change	numeric(9)		The change in employment from estimated to projected.
26. annualchange	numeric(9)		The annual change in employment from estimated to projected.

projectionsmatrix

Table of the industry-occupation employment matrix.

Field Name	Type	Constraint	Description
27. openings	numeric(9)		Total openings = Exits+Transfers+Change
28. annualopenings	numeric(9)		Annual openings
29. suppress	char(1)		An indicator that the record contains confidential data that must be suppressed for public use: 0 = Not Confidential; 1 = Confidential

Constraint Information
1. Foreign Key (projectionsmatrix.stfips, projectionsmatrix.areatype, projectionsmatrix.areatypeversion, projectionsmatrix.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (projectionsmatrix.stfips, projectionsmatrix.matincode, projectionsmatrix.periodid) references (inddir.stfips, inddir.matincode, inddir.periodid)
3. Foreign Key (projectionsmatrix.stfips, projectionsmatrix.matoccode, projectionsmatrix.periodid) references (occdir.stfips, occdir.matoccode, occdir.periodid)
4. Foreign Key (projectionsmatrix.stfips, projectionsmatrix.growcode) references (growcode.stfips, growcode.growcode)

salesrevenue

Revenue from retail sales.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.).
7. period	char(2)	Primary Key 3	Period Code. Will be set to '00' where periodtype is annual.
8. salestype	char(2)	Primary Key 4	Code describing the type of sales statistic. (e.g. Retail sales are coded 01)
9. sales	numeric(15)		Sales Dollar amount.

Constraint Information
1. Foreign Key (salesrevenue.stfips, salesrevenue.areatype, salesrevenue.areatypeversion, salesrevenue.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (salesrevenue.periodyear) references (periodyears.periodyear)
3. Foreign Key (salesrevenue.periodtype, salesrevenue.period) references (periods.periodtype, periods.period)
4. Foreign Key (salesrevenue.stfips, salesrevenue.salestype) references (salestyp.stfips, salestyp.salestype)

schools

Table of training providers in the state.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2	State FIPS code.
2. areatype	char(3)	1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. instcode	char(10)	Primary Key	Unique code representing the institution.
6. insttype	char(2)	2	Identifies the type of training institution (WIA Provider, vocational center, community college, university).
7. instown	char(1)	3	Institution ownership code.
8. instname1	varchar(80)		Primary name of the training institution.
9. instname2	varchar(80)		Secondary name of the training institution.
10. address1	varchar(35)		Address of the training institution.
11. address2	varchar(35)		Address of the training institution.
12. city	varchar(30)		City.
13. st	char(2)		State.
14. zipcode	char(5)		Postal zip code for the business address.
15. zipext	char(4)		Zip code extension.
16. latitude	numeric(11,6)		Physical location - latitude
17. longitude	numeric(11,6)		Physical location - longitude
18. geoprecisioncode	char(1)	4	Physical location - geocode precision level code. The precision of the longitude and latitude coordinates.
19. telephone	char(10)		Training institution telephone number.
20. teleext	varchar(10)		Training institution telephone extension.
21. fax	char(10)		Training institution fax number.
22. url	varchar(200)		Uniform Resource Locator.
23. contact	varchar(50)		Name of person to contact at the training institution.
24. distancelearn	char(1)		Distance Learn: 1=distance learn or online or correspondence ONLY; 0=otherwise
25. satellitecampus	char(1)		Satellite Campus: 1=yes; 0=no (main campus)

Constraint Information

1. Foreign Key (schools.stfips, schools.areatype, schools.areatypeversion, schools.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (schools.stfips, schools.insttype) references (insttype.stfips, insttype.insttype)

3. Foreign Key (schools.instown) references (instown.instown)

4. Foreign Key (schools.geopcode) references (geocode.geopcode)

supply

Completer data for all occupational training providers in the state.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4, 6, 7	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to '00' where periodtype is annual.
8. insttype	char(2)	Primary Key 4	Identifies the type of training institution (WIA Provider, vocational center, community college, university).
9. instown	char(1)	Primary Key 5	Institution ownership code.
10. codetype	char(2)	Primary Key 7	Code describing the type of occupation or training code.
11. code	char(10)	Primary Key 7	The classification code used by the state for this data element. This code could be DOT, OEWS, CIP, Cluster, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
12. completertype	char(2)	Primary Key 6	A 2-digit code representing type of program completer. (e.g. Completers with Associates Degree are coded as 03)
13. completers	numeric(8)		Number of program completers.

Constraint Information
1. Foreign Key (supply.stfips, supply.areatype, supply.areatypeversion, supply.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (supply.periodyear) references (periodyears.periodyear)
3. Foreign Key (supply.periodtype, supply.period) references (periods.periodtype, periods.period)
4. Foreign Key (supply.stfips, supply.insttype) references (insttype.stfips, insttype.insttype)
5. Foreign Key (supply.instown) references (instown.instown)
6. Foreign Key (supply.stfips, supply.compltype) references (compltyp.stfips, compltyp.compltype)
7. Foreign Key (supply.stfips, supply.codetype, supply.code) references (occcodes.stfips, occcodes.codetype, occcodes.code)

taxrevenues
Revenues from taxes.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.).
7. period	char(2)	Primary Key 3	Period Code. Will be set to '00' where periodtype is annual.
8. taxtype	char(2)	Primary Key 4	A 2-digit code identifying type of tax.
9. taxrevenue	numeric(15)		Tax revenues.

Constraint Information
1. Foreign Key (taxrevenues.stfips, taxrevenues.areatype, taxrevenues.areatypeversion, taxrevenues.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (taxrevenues.periodyear) references (periodyears.periodyear)
3. Foreign Key (taxrevenues.periodtype, taxrevenues.period) references (periods.periodtype, periods.period)
4. Foreign Key (taxrevenues.stfips, taxrevenues.taxtype) references (taxtype.stfips, taxtype.taxtype)

transferpayments

Table of Government Transfer Payments.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 3	Period Code. Will be set to '00' where periodtype is annual.
8. paymenttype	char(2)	Primary Key 4	A 2-digit code indicating type of payment.
9. amountpaid	numeric(10)		Amount paid in thousands.

Constraint Information
1. Foreign Key (transferpayments.stfips, transferpayments.areatype, transferpayments.areatypeversion, transferpayments.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (transferpayments.periodyear) references (periodyears.periodyear)
3. Foreign Key (transferpayments.periodtype, transferpayments.period) references (periods.periodtype, periods.period)
4. Foreign Key (transferpayments.stfips, transferpayments.paytype) references (paytype.stfips, paytype.paytype)

uiclaims			Revised in v3.0
Table of the numbers of Unemployment Insurance Claims by geographic area.			

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 4, 5, 6	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.).
7. period	char(2)	Primary Key 3	Period Code. Will be set to '00' where periodtype is annual.
8. claimtype	char(1)	Primary Key	Code describing the type of claim: 1 = Initial; 2 = Continued; 9 = Unknown
9. occcodetype	char(2)	Primary Key 4	Code describing the type of occupational code.
10. occcode	char(10)	Primary Key 4	The occupational classification code used by the state for this data element. This code could be DOT, OEWS, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
11. indcodetype	char(2)	Primary Key 5	Code describing the type of industry classification code.
12. indcode	char(6)	Primary Key 5	The industry classification code used by the state for this data element. This code could be SIC or NAICS. For codes not 6 characters long, left justify and blank (ASCII 32) fill.
13. agegroup	char(2)	Primary Key 6	Code identifying the age group.
14. racecode	char(2)	Primary Key 7	Code indicating race of claimants.
15. ethnicity	char(1)	Primary Key	Hispanice (H), or Not Hispanic (N)
16. gendercode	char(1)	Primary Key 8	Gender code.
17. claimants	numeric(8)		Number of UI claimants.
18. weekscomp	numeric(8)		Weeks compensated
19. firstpayments	numeric(8)		Number of first payments
20. duration	numeric(4,1)		Average number of weeks of current unemployment.

Constraint Information
1. Foreign Key (uiclaims.stfips, uiclaims.areatype, uiclaims.areatypeversion, uiclaims.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)
2. Foreign Key (uiclaims.periodyear) references (periodyears.periodyear)
3. Foreign Key (uiclaims.periodtype, uiclaims.period) references (periods.periodtype, periods.period)
4. Foreign Key (uiclaims.stfips, uiclaims.occodetype, uiclaims.occcode) references (occcodes.stfips, occcodes.codetype, occcodes.code)
5. Foreign Key (uiclaims.stfips, uiclaims.indcodty, uiclaims.indcode) references (indcodes.stfips, indcodes.codetype, indcodes.code)
6. Foreign Key (uiclaims.stfips, uiclaims.agegroup) references (agegroup.stfips, agegroup.agegroup)
7. Foreign Key (uiclaims.racecode) references (racecodes.racecode)
8. Foreign Key (uiclaims.gender) references (gender.gender)

Crosswalk Tables

clusterxocc			
Occupation codes by Cluster, and the percentage of that occupation code's employment within each Cluster.			
Field Name	**Type**	**Constraint**	**Description**
1. stfips	char(2)	Primary Key 1, 2, 3	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. clustercode	char(10)	Primary Key 2	Code assigned to the cluster from the State Units of Analysis.
6. occcodetype	char(2)	Primary Key 3	Code describing the occupational code.
7. occcode	char(10)	Primary Key 3	The occupational classification code used by the state for this data element. This code could be DOT, OEWS, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
8. allocation	numeric(5,2)		Percentage of the occupation code's employment that can be attributed to this Cluster.
Constraint Information			
1. Foreign Key (clusterxocc.stfips, clusterxocc.areatype, clusterxocc.areatypeversion, clusterxocc.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)			
2. Foreign Key (clusterxocc.stfips, clusterxocc.cluscode) references (cluscode.stfips, cluscode.cluscode)			
3. Foreign Key (clusterxocc.stfips, clusterxocc.occodetype, clusterxocc.occcode) references (occcodes.stfips, occcodes.codetype, occcodes.code)			

clusterxsupply

Training program codes and completer types from that training program that have been assigned to a Cluster.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2, 3, 6	State FIPS code.
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. periodyear	char(4)	Primary Key 4	Character representation of the calendar year (e.g. 2006).
6. periodtype	char(2)	Primary Key 5	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. period	char(2)	Primary Key 5	Period Code. Will be set to '00' where periodtype is annual.
8. clustercode	char(10)	Primary Key 2	Code assigned to the cluster from the State Units of Analysis.
9. codetype	char(2)	Primary Key 6	Code describing the type of occupation or training code.
10. code	char(10)	Primary Key 6	The classification code used by the state for this data element. This code could be DOT, OEWS, CIP, Cluster, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
11. completertype	char(2)	Primary Key 3	A 2-digit code representing the type of program completer.

Constraint Information

1. Foreign Key (clusterxsupply.stfips, clusterxsupply.areatype, clusterxsupply.areatypeversion, clusterxsupply.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (clusterxsupply.stfips, clusterxsupply.cluscode) references (cluscode.stfips, cluscode.cluscode)

3. Foreign Key (clusterxsupply.stfips, clusterxsupply.compltyp) references (compltyp.stfips, compltyp.compltype)

4. Foreign Key (clusterxsupply.periodyear) references (periodyears.periodyear)

5. Foreign Key (clusterxsupply.periodtype, clusterxsupply.period) references (periods.periodtype, periods.period)

6. Foreign Key (clusterxsupply.stfips, clusterxsupply.codetype, clusterxsupply.code) references (occcodes.stfips, occcodes.codetype, occcodes.code)

industryxindustry

Table mapping indcodes and codetypes to related indcodes and codetypes

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2	State FIPS code
2. codetype	char(2)	Primary Key 1	Code describing the type of industry classification code.
3. code	char(6)	Primary Key 1	The classification codes used by the state for this data element. This could be SIC, NAICS, or other industry code.
4. codetype2	char(2)	Primary Key 2	Code describing the type of industry classification code.
5. code2	char(6)	Primary Key 2	The classification codes used by the state for this data element. This could be SIC, NAICS, or other industry code.

Constraint Information
1. Foreign Key (industryxindustry.stfips, industryxindustry.codetype, industryxindustry.code) references (indcodes.stfips, indcodes.codetype, indcodes.code)
2. Foreign Key (industryxindustry.stfips, industryxindustry.codetype2, industryxindustry.code2) references (indcodes.stfips, indcodes.codetype, indcodes.code)

laytitlexocc

Table of lay titles and the associated occupation codes.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS code.
2. occcodetype	char(2)	Primary Key 1	Code describing the occupational code.
3. occcode	char(10)	Primary Key 1	The occupational classification code used by the state for this data element. This code could be DOT, OEWS, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
4. laytitlecode	char(5)	Primary Key 2	Code associated with a particular lay title.

Constraint Information
1. Foreign Key (laytitlexocc.stfips, laytitlexocc.occodetype, laytitlexocc.occcode) references (occcodes.stfips, occcodes.codetype, occcodes.code)
2. Foreign Key (laytitlexocc.laytlcode) references (laytitle.laytlcode)

licensexlicense

Table of re-licensing

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key	State FIPS code
2. licenseid	char(10)	Primary Key	Unique ID for license
3. relicenseid	char(10)	Primary Key	Unique ID of the secondary license

licensexocc

Table mapping state licenses to associated occupations.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2, 3	State FIPS code.
2. licenseid	char(10)	Primary Key 2	A code that identifies the license for the specific occupational title.
3. occcodetype	char(2)	Primary Key 3	Code for Occupation code type.
4. occcode	char(10)	Primary Key 3	Occupation code.
Constraint Information			

1. Foreign Key (licensexocc.stfips) references (stfipstb.stfips)

2. Foreign Key (licensexocc.stfips, licensexocc.licenseid) references (license.stfips, license.licenseid)

3. Foreign Key (licensexocc.stfips, licensexocc.occodetype, licensexocc.occcode) references (occcodes.stfips, occcodes.codetype, occcodes.code)

matrixxind

This table crosswalks the MicroMatrix industry codes to other industry codes, such as NAICS or SIC.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2, 3	State FIPS code.
2. matrixindcode	char(15)	Primary Key 1	Industry matrix code from Micro Matrix.
3. periodid	char(2)	Primary Key 1	A 2-digit code identifying the type of period used.
4. indcodetype	char(2)	Primary Key 2	Code describing the type of industry classification code.
5. indcode	char(6)	Primary Key 2	The classification code used by the state for this data element. This could be a SIC or NAICS code.
6. subtotal	char(1)	3	Sum level of the information.
Constraint Information			

1. Foreign Key (matrixxind.stfips, matrixxind.matincode, matrixxind.periodid) references (inddir.stfips, inddir.matincode, inddir.periodid)

2. Foreign Key (matrixxind.stfips, matrixxind.indcodetype, matrixxind.indcode) references (indcodes.stfips, indcodes.codetype, indcodes.code)

3. Foreign Key (matrixxind.stfips, matrixxind.subtot) references (indsub.stfips, indsub.subtot)

matrixxocc

This table crosswalks MicroMatrix occupation codes to other occuptation codes, such as SOC or OES.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2, 3	State FIPS code.
2. matrixocccode	char(10)	Primary Key 1	Occupation matrix code from Micro Matrix. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
3. periodid	char(2)	Primary Key 1	A 2-digit code identifying the type of period used.
4. occcodetype	char(2)	Primary Key 2	Code describing the type of occupation or training classification code.
5. occcode	char(10)	Primary Key 2	The classification code used by the state for this data element.
6. subtotal	char(1)	3	Sum level of the information.

Constraint Information
1. Foreign Key (matrixxocc.stfips, matrixxocc.matoccode, matrixxocc.periodid) references (occdir.stfips, occdir.matoccode, occdir.periodid)
2. Foreign Key (matrixxocc.stfips, matrixxocc.occcodetype, matrixxocc.occcode) references (occcodes.stfips, occcodes.codetype, occcodes.code)
3. Foreign Key (matrixxocc.stfips, matrixxocc.subtot) references (occsub.stfips, occsub.subtot)

occxocc

Table mapping occupation codes and codetypes to related occupation codes and codetypes

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2	State FIPS code
2. codetype	char(2)	Primary Key 1	Code describing the type of occupation or training classification code.
3. code	char(10)	Primary Key 1	The classification code used by the state for this data element. This code could be a CIP, DOT, SOC, or other occupational code.
4. codetype2	char(2)	Primary Key 2	Code describing the type of occupation or training classification code.
5. code2	char(10)	Primary Key 2	The classification code used by the state for this data element. This code could be a CIP, DOT, SOC, or other occupational code.

Constraint Information
1. Foreign Key (occxocc.stfips, occxocc.codetype, occxocc.code) references (occcodes.stfips, occcodes.codetype, occcodes.code)
2. Foreign Key (occxocc.stfips, occxocc.codetype2, occxocc.code2) references (occcodes.stfips, occcodes.codetype, occcodes.code)

industrysum

Count of employers for each industry, with detailed source.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1, 2	State FIPS Code
2. areatype	char(3)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. areatypeversion	char(3)	Primary Key 1	Code indicating the area type version. Default = 0
4. area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. indcodetype	char(2)	Primary Key 2	Code describing the type of industry classification code.
6. indcode	char(6)	Primary Key 2	The classification code used by the state for this data element. This could be a SIC or NAICS code. For codes not 6 characters long, left justify and blank (ASCII 32) fill.
7. indsource	char(1)	Primary Key	Detail source of industry aggregates: E = empdb; S = stfirms
8. employers	numeric(6)		Count of employers

Constraint Information

1. Foreign Key (industrysum.stfips, industrysum.areatype, industrysum.areatypeversion, industrysum.area) references (geographies.stfips, geographies.areatype, geographies.areatypeversion, geographies.area)

2. Foreign Key (industrysum.stfips, industrysum.incodetyp, industrysum.indcode) references (indcodes.stfips, indcodes.codetype, indcodes.code)

statelist

List of states for which there is data stored in your WID, used by triggers of lookup tables.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS code.
2. statename	varchar(20)		State name.
3. stateabbreviation	char(2)		The two letter state abbreviation.

Constraint Information

1. Foreign Key (statelist.stfips) references (stfipstb.stfips)

tablelist

This table contains one record for each table in the Workforce Information Database.

Field Name	Type	Constraint	Description
1. tablename	varchar(32)	Primary Key	Name of Workforce Information table.
2. tabledesc	varchar(60)		Description of table.
3. tabletype	char(1)		A code indicating the type of Workforce Information table.

tablesource

Table describing how and from whom to obtain source data for the WID tables.

Field Name	Type	Constraint	Description
1. stfips	char(2)	Primary Key 1	State FIPS Code.
2. tablename	varchar(32)	Primary Key 2	Name of Workforce Information table.
3. supplier	varchar(60)		Name of department or office.
4. contact	varchar(30)		Individual to contact.
5. telephone	char(10)		Telephone number.
6. teleext	varchar(10)		Telephone extension.
7. lastupdate	date		Date this source data was last updated.
8. nextupdate	date		Date this source data will be updated next.
9. filetype	varchar(10)		File format of source data.
10. info	varchar(MAX)		Narrative text describing any other relevant information regarding this source data.
Constraint Information			
1. Foreign Key (tablesource.stfips) references (stfipstb.stfips)			
2. Foreign Key (tablesource.tablename) references (tabllist.tablename)			

Workforce Information Database version 3.0
Standard Field Values (alphabetic by field name)

addresstype
Tables Referenced:

addresstype, statefirms

Values:

1	Physical address from QCEW
2	Mailing address/other from QCEW
3	UI Address from QCEW
4	OES address

agegroup
Tables Referenced:

agegroup, uiclaims

Values:

00	Total, all ages
01	Under 1 year
02	1 to 2 years
03	3 to 4 years
04	5 years
05	6 years
06	7 to 9 years
07	10 to 11 years
08	12 to 13 years
09	14 years
10	15 years
11	16 years
12	17 years
13	18 years
14	19 years
15	20 years
16	21 years
17	22 to 24 years
18	25 to 29 years
19	30 to 34 years
20	35 to 39 years
21	40 to 44 years
22	45 to 49 years
23	50 to 54 years
24	55 to 59 years
25	60 to 61 years
26	62 to 64 years
27	65 to 69 years
28	70 to 74 years

agegroup
Tables Referenced:

agegroup, uiclaims

Values:

29	75 to 79 years
30	80 to 84 years
31	85 years and over
32	16 years and over
33	16 to 24 years
34	16 to 17 years
35	18 to 19 years
36	20 to 24 years
37	25 years and over
38	25 to 54 years
39	55 years and over
40	Under 22
41	25 to 34
42	35 to 44
43	45 to 54
44	60 to 64
45	65 years and over
46	14 to 18
47	19 to 21
48	55 to 64
49	14 years and over
50-70	State-specified
99	Unknown

annsalesflag
Tables Referenced:

empdb

Values:

1	Collected
2	Estimated

annsalesrange
Tables Referenced:

empdb

Values:

A	1 – 499 (1,000's, all ranges)
B	500 – 999

annsalesrange

Tables Referenced:

empdb

Values:

C	1000 – 2499
D	2500 – 4999
E	5000 – 9999
F	10,000 - 19,999
G	20,000 - 49,999
H	50,000 - 99,999
I	100,000 - 499,999
J	500,000 - 999,999
K	1,000,000+

areatype

Tables Referenced:

areatype, bed, buildingpermits, ces, clusterxocc, clusterxsupply, commute, cpi, cpiplus, demographics, empdb, esdata, geographies, income, indoccmatrix, indoccwage, industry, industrysum, jvs, laborforce, license, licenseauthorities, licensehistory, population, programcompleters, programs, salesrevenue, schools, statefirms, subgeographies, supply, taxrevenues, transferpayments, uiclaims

Values:

00	US
01	State
02	Metropolitan Statistical Area 1990
03	SDA
04	County
05	Minor Civil Division
06	BLS Region
07	Broad Geographic Area (BGA)
08	Economic Development Region
09	Planning Region
10	Labor Market Area
11	City
12	Town
13	Township
14	Municipality/Suburb
15	Workforce Investment Region
16	One Stop Area
17	Workforce Development Area
18	Job Center Area
19	Congressional District
20	Census Places
21	Metropolitan Statistical Area 2000

areatype

Tables Referenced:

areatype, bed, buildingpermits, ces, clusterxocc, clusterxsupply, commute, cpi, cpiplus, demographics, empdb, esdata, geographies, income, indoccmatrix, indoccwage, industry, industrysum, jvs, laborforce, license, licenseauthorities, licensehistory, population, programcompleters, programs, salesrevenue, schools, statefirms, subgeographies, supply, taxrevenues, transferpayments, uiclaims

Values:

22	Micropolitan Statistical Area 2000
23	Metropolitan Division 2000
24	Combined Statistical Area 2000
25	Metropolitan New England City and Town Area (NECTA) 2010
26	Micropolitan New England City and Town Area (NECTA) 2010
27	New England City and Town Area (NECTA) Divisions 2010
28	Combined New England City and Town Area (NECTA) 2010
30	Balance of State
31	Metropolitan Statistical Area 2010
32	Micropolitan Statistical Area 2010
33	Metropolitan Division 2010
34	Combined Statistical Area 2010
35	EEO County Group
40	BLS CPI areas
41	BLS CPI areas 2018
50-70	State-Defined Area

bedtypecode

Tables Referenced:

bed, bedtypes

Values:

0	Total net change
1	Job gains due to expanding establishments
2	Job gains due to opening establishments
3	Total job gains
4	Job losses due to contracting establishments
5	Job losses due to closing establishments
6	Total job losses

benefit

Tables Referenced:

benefit, jvs2

Values:

benefit

Tables Referenced:

benefit, jvs2

Values:

0	All Benefit Categories
1	Benefit Category 1
2	Benefit Category 2
3	Benefit Category 3
4	Benefit Category 4
5	No Benefits
9	Unknown

businesstype

Tables Referenced:

empdb

Values:

1	Individual
2	Firm

certificaterequired

Tables Referenced:

jvs2

Values:

0	Both
1	Certificate Required
2	No Certificate Required

ciplevel

Tables Referenced:

cipcode

Values:

2	2-digit CIP
4	4-digit CIP
6	6-digit CIP

classtime

Tables Referenced:

classtime, programs

Values:

1	Day
2	Night
3	Weekend
4	Day/Night
5	Day/Weekend

classtime

Tables Referenced:

classtime, programs

Values:

6	Night/Weekend
7	Day/Night/Weekend

codetype

Tables Referenced:

clusterxsupply, indcodetypes, industrycodes, industryxindustry, mocxocc, occcodes, occtypes, occxocc, programcompleters, programs, stateprogramcode, supply

Values:

01	Cluster (other)
02	OES (occupations)
03	CIP (education programs)
04	DOT (occupations)
05	SIC (industries)
06	Census (occupations)
07	CIDS (occupations)
08	SOC 2000 (occupations)
09	State specific
10	NAICS (industries)
11	MOC (occupations)
12	O*NET (occupations)
14	SOC 2010 code (occupations)
15	CIP 2010 code (education programs)
16	2010 Census Occupation code (occupations)
17	2000 Census Industry code (industries)
18	2010 Census Industry code (industries)
19	SOC 2018 (occupations)
22	CIP 2020 code (education programs)
99	Not Available/Unknown

completertype

Tables Referenced:

clusterxsupply, completertype, programcompleters, programs, supply

Values:

00	Sum of all types (Aggregate of all Completer Types)
01	Postsec. Awards/Cert./Diplomas; < 1 yr.
02	Postsec. Awards/Cert./Diplomas; 1-2 yrs.
03	Associate's Degree
04	Postsec. Awards/Cert./Diplomas; 2-4 yrs.

completertype

Tables Referenced:

clusterxsupply, completertype, programcompleters, programs, supply

Values:

05	Bachelor's Degree
06	Postbaccalaureate Certificates
07	Master's Degree
08	Post-Master's Certificates
09	Doctor's Degrees
10	First-professional Degrees
11	First-professional Cert. (Post-Degree)
17	All Postsecondary Certificates
21	Secondary
22	Postsec. Awards/Cert./Diplomas; <4 yrs.
23	Graduate degrees combined
30	OJT = on-the-job training
31	Employment & training program completers
32	Military separatees
33	Apprenticeship completers
34	Job Corps completers
40	Certificates < 2 yrs.
50-70	State-Defined Completion Types
99	Unidentified

contactgender

Tables Referenced:

empdb

Values:

Blank	Unknown
F	Female
M	Male

contactprotitle

Tables Referenced:

contactprotitles, empdb

Values:

AGT	Insurance and real estate agents
CPA	Certified Public Accountant
DC	Doctor of Chiropractic Medicine
DDS	Doctor of Dental Surgery
DO	Doctor of Osteopathic Medicine
DPM	Doctor of Podiatry
DVM	Doctor of Veterinary Medicine
MD	Doctor of Medicine

contactprotitle

Tables Referenced:

contactprotitles, empdb

Values:

OD	Doctor of Optometry
PE	Professional Engineer
PHD	Doctor of Philosophy

contacttitlecode

Tables Referenced:

contacttitle, empdb

Values:

-	Sales
!	IT
#	Finance
$	Chief Administrative Officer (CAO)
%	Chief Marketing Officer
&	Business Developer
(	Director
)	Executive
.	International
/	Manufacturing
:	Educator
?	Office Manager
@	CIO/CTO
[	Operations
\	Marketing
]	Other
^	Human Resources
_	Site Manager
{	Regional Manager
+	Facilities
=	Engineering/Technical
>	General Manager
1	Owner
2	President
3	Manager
4	Executive Director
5	Principal
6	Publisher
7	Administrator
8	Religious Leader
9	Partner
A	Chairman
B	Vice Chairman

contacttitlecode

Tables Referenced:

contacttitle, empdb

Values:

blank	Unknown
C	Chief Executive Officer
D	Director (Public Co)
E	Chief Operating Officer (COO)
F	Chief Financial Officer (CFO)
G	Treasurer
H	Controller
I	Executive Vice President
J	Senior Vice President
K	Vice President
L	Administration Executive
M	Corporate Communications Executive
N	Data Processing Executive
O	Finance Executive
P	Human Resources Executive
Q	Telecommunications Executive
R	Marketing Executive
S	Operations Executive
T	Sales Executive
U	Corporate Secretary
V	General Counsel
W	Executive Officer
X	Plant Manager
Y	Purchasing Agent
Z	Minister

cpisource

Tables Referenced:

cpi, cpiplus, cpisource

Values:

1	Bureau of Labor Statistics
6-8	State Defined

cpitype

Tables Referenced:

cpi, cpitype

Values:

01	CPI-U all items 1982-84=100, not seasonally adjusted
02	CPI-U all items 1982-84=100, seasonally adjusted

cpitype

Tables Referenced:

cpi, cpitype

Values:

03	CPI-W, all items 1982-84=100, not seasonally adjusted
04	CPI-W, all items 1982-84=100, seasonally adjusted
05	CPI-U all items 1967=100, not seasonally adjusted
06	CPI-U all items 1967=100, seasonally adjusted
07	CPI-W, all items 1967=100, not seasonally adjusted
08	CPI-W, all items 1967=100, seasonally adjusted
50-70	State-Defined CPI Types

creditcode

Tables Referenced:

creditcode, empdb

Values:

A	Excellent
B	Very Good
C	Good
I	Institution or government
U	Unknown

educategory

Tables Referenced:

blseducation

Values:

1	Less than high school
2	High school diploma or equivalent
3	Some college, no degree
4	Post-secondary non-degree award
5	Associate's degree
6	Bachelor's degree
7	Master's degree
8	Doctoral or professional degree
N	Information not available

educationlevel

Tables Referenced:

educationlevels, jvs2

Values:

educationlevel
Tables Referenced:

educationlevels, jvs2

Values:

0	All Education Levels
2	Associate's Degree
9	Unknown
A	Advanced Degree
B	Bachelor's Degree
H	High School / GED
N	No Education Requirement
V	Vocational Training

empsizeflag
Tables Referenced:

empdb, empsizeflag

Values:

1	Collected from source
2	Estimated by the Employer Database supplier

empsizerange
Tables Referenced:

empdb, empsizerange

Values:

A	1-4
B	5-9
C	10-19
D	20-49
E	50-99
F	100-249
G	250-499
H	500-999
I	1,000-4,999
J	5,000-9,999
K	10,000+

eventtype
Tables Referenced:

eventtype

Values:

1	State event
2	BLS event
9	Undefined

experiencecode
Tables Referenced:

experience

Values:

0	None
1	Less than 1 year
2	1 to 5 years
3	More than 5 years
N	Information not available

experiencelevel
Tables Referenced:

experiencelevels, jvs2

Values:

0	All Experience Levels
9	Unknown
N	No Work Experience Required
R	Related Experience
W	Some Work Experience Required

exportimportflag
Tables Referenced:

empdb

Values:

B	Both
E	Export Services
I	Import Services

gendercode
Tables Referenced:

gender, uiclaims

Values:

0	Total (This value is included for data reported by male and total categories, for example Census data)
1	Male
2	Female
3	Unspecified

geoprecisioncode
Tables Referenced:

empdb, geographies, geoprecisioncode, licenseauthorities, schools, statefirms

Values:

0	Address

geoprecisioncode
Tables Referenced:

empdb, geographies, geoprecisioncode,
licenseauthorities, schools, statefirms

Values:

2	Zip+2 centroid
4	Zip+4 centroid
X	ZIP code centroid

growthcode
Tables Referenced:

growthcodes, indoccmatrix

Values:

50-70	State-Defined Growth Types
DD	Declining
GG	Growing
SS	Stable

highestgrade
Tables Referenced:

schoolgrades

Values:

00	Total, all grads
01	Elementary
02	Some High School
03	High School Grad/GED
04	Some College
05	College Grad 2 yr
06	College Grad 4 yr
07	Post Graduate Studies
50-70	State-Defined Graduate Types
99	Unknown

incomesource
Tables Referenced:

income, incomesource

Values:

1	Census
2	HUD
3	BEA
6 – 8	State Defined Income Sources

incometype
Tables Referenced:

income, incometype

Values:

01	Total income
02	Per capita income
03	Median household income
04	Median family income
05	Real personal income
06	Real per capita personal income
50-70	State-Defined Income Types

inddivision
Tables Referenced:

industrydivisions

Values:

A	Agriculture, forestry and fishing (2 digit SICs 01-09)
B	Mining (10-14)
C	Construction (15-17)
D1	Durable goods manufacturing, Total (24, 25, 32-39)
D2	Nondurable goods manufacturing, Total (20-23, 26-31)
E1	Transportation, total (40-47)
E2	Communications and utilities, total (48, 49)
F	Wholesale trade (50, 51)
G	Retail trade (52-59)
H	Finance, insurance, and real estate (60-67)
I	Services (70-89)
J	Public administration (91-97)
K	Nonclassifiable establishments
XXX	Unknown
ZZZ	Total (00)

instown
Tables Referenced:

instown, schools, supply

Values:

1	Public institution
2	Private for profit institution
3	Private non-profit institution
9	Not Available

insttype

Tables Referenced:

insttype, schools, supply

Values:

00	All Institutions
01	Secondary Schools
02	Public Adult Schools with occupational programs
03	Two-year, Technical, and Community Colleges
04	Four-year Colleges and Universities
05	Private Business and Technical Schools
06	JTPA Programs
07	Apprenticeship Programs
08	Hospital or Health Programs
09	Other education and training institutions
20	Law Enforcement Academies
21	Aviation and Flight Schools
22	WIA Providers
23	Department of Defense
50-70	State-Defined Institution Types
99	Not Available

lengthopen

Tables Referenced:

jvs2, lengthopen

Values:

0	All Length Categories
1	Less than 30 days
2	30 – 59 days
3	60 or more days
4	Always Hiring
9	Unknown

lengthtype

Tables Referenced:

lengthtype, programs

Values:

01	Years
02	Semesters
03	Trimesters
04	Quarters
05	Months
06	Weeks
07	Days

lengthtype

Tables Referenced:

lengthtype, programs

Values:

08	Hours
09	Semester hours
10	Credit hours
99	Unknown

licensecertification

Tables Referenced:

licensecertification

Values:

0	no mention of certification
1	certification may substitute for license requirements
2	certification required
9	undetermined

licensecontinuingedu

Tables Referenced:

liccontinuingedu

Values:

0	no continuing education requirement
1	continuing ed required
9	undetermined

licensecriminal

Tables Referenced:

licensecriminal

Values:

0	no criminal record requirements
1	specific type of conviction prohibited
2	felony convictions prohibited
3	any conviction prohibited
4	background check required
9	undetermined

licenseeducation

Tables Referenced:

licenseeducation

Values:

0	no education required
1	specific course required

licenseeducation
Tables Referenced:

licenseeducation

Values:

2	degree required
9	undetermined

licenseexam
Tables Referenced:

licenseexams

Values:

0	no exam
1	state exam required
2	third-party exam required
3	both state and third-party exams required
4	choice of state or third-party exam
9	undetermined

licenseexperience
Tables Referenced:

licenseexperience

Values:

0	no experience
1	affidavit or referral
2	experience
3	current employment
9	undetermined

licensephysical
Tables Referenced:

licensephysicalreqs

Values:

0	no physical requirements
1	vision test required
2	physical exam
3	more significant physical requirements
9	undetermined

licensestatus
Tables Referenced:

licenseactivestatus

Values:

0	active
1	no new licenses issued

licensestatus
Tables Referenced:

licenseactivestatus

Values:

2	replaced
3	no longer licensed

licensetype
Tables Referenced:

licensetypes

Values:

0	Stand-alone license
1	registry
2	tied to business
3	secondary license (other license is prerequisite)
4	preliminary/temporary license

licnumtype
Tables Referenced:

licensehistory, licensenumbertype

Values:

01	Total number of licenses, as of a point in time
02	Number of active licenses as of a point in time
03	Number of licenses issued during a specific period
50-70	State-Defined Licences Types

licveteran
Tables Referenced:

licenseveteran

Values:

0	No veteran preference
1	Alternate requirements for veterans
2	Alternate requirements for active duty military spouses
3	alternate requirements for veterans and active duty military spouses

locationstatuscode
Tables Referenced:

empdb, locationstatus

Values:

0	Single location firm
1	Headquarters/home office

locationstatuscode

Tables Referenced:

empdb, locationstatus

Values:

2	Branch office
3	Subsidiary headquarters

meeicode

Tables Referenced:

meeicode

Values:

1	Single establishment unit
2	Multi-unit master record
3	Sub-unit record of a multi-unit employer
4	Multi-unit rpt. as single (lack of data)
5	Sub-unit representing several estab.
6	Multi-unit rpt. as single (due to size)
9	Undefined

militarybranch

Tables Referenced:

militarybranches, militaryocccodes, mocxocc

Values:

A	Army branch and Functional Area (FA), Area of Concentration (AOC) , Military Occupational Specialty (MOS), and Reporting Code (RC)
C	Coast Guard codes
D	DoD Occupational Conversion Code
F	Air Force Specialty Code (AFSC)
G	Office of Personnel Management (OPM) Series codes GS and WG
K	National Security Personnel System (NSPS) code
M	Marine Corps Military Occupational Specialty (MOS)
N	Navy Rating, Navy Enlisted Code (NEC), and Navy Officer Billet Classification (NOBC) codes

mpc

Tables Referenced:

militaryocccodes, militarypersonnelcod, mocxocc

Values:

E	Enlisted
N	Not Applicable (civilian occupations)

mpc

Tables Referenced:

militaryocccodes, militarypersonnelcod, mocxocc

Values:

O	Commissioned Officer (includes Navy and Marine Warrant Officers)
W	Warrant Officers (Army & Coast Guard)

naicdomain

Tables Referenced:

naicsdomain, naicssupersector

Values:

10	Total, All Industries
101	Goods-Producing
102	Service-Providing

naicsector

Tables Referenced:

naicscode, naicssector

Values:

10	Supersector / Domain totals
11	Agriculture, Forestry, Fishing and Hunting
21	Mining
22	Utilities
23	Construction
31	Manufacturing (31 through 33)
42	Wholesale Trade
44	Retail Trade (44 & 45)
48	Transportation and Warehousing (48 & 49)
51	Information
52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific and Technical Services
55	Management of Companies and Enterprises
56	Administrative & Support and Waste Mgmt and Remediation Services
61	Education Services
62	Health Care and Social Assistance
71	Arts, Entertainment and Recreation
72	Accomodation and Food Services
81	Other Services (except Public Administration)
92	Public Administration

naicslevel

Tables Referenced:

naicscode, naicslevel

Values:

0	Total (000000)
1	Supersector
2	Sector (2 digit)
3	Subsector (3 digit)
4	Industry Group (4 digit)
5	Industry (5 digit)
6	US Industry (6 digit)
9	Not Specified
D	Domain

naicsuper

Tables Referenced:

naicssector, naicssupersector

Values:

10	Total All Industries
101	Goods-Producing
1011	Natural Resources and Mining Sectors 11, 21
1012	Construction Sector 23
1013	Manufacturing Sectors 31-33
102	Service-Providing
1021	Trade, Transportation, and Utilities Sectors 42, 44-45, 48-49, 22
1022	Information Sector 51
1023	Financial Activities Sectors 52, 53
1024	Professional and Business Services Sectors 54, 55, 56
1025	Education and Health Services Sectors 61, 62
1026	Leisure and Hospitality Sectors 71, 72
1027	Other Services Sector 81
1028	Public Administration Sector 92
1029	Unclassified Sector 99
1030	Tribal employment

oohtrntm

Tables Referenced:

oohtraining, soccode

Values:

A	First professional degree
B	Doctor's degree
C	Master's degree
D	Work experience, plus a bachelor's or higher degree

oohtrntm

Tables Referenced:

oohtraining, soccode

Values:

E	Bachelor's degree
F	Associate degree
G	Post secondary vocational training
H	Work experience (in a related occupation)
I	Long-term on-the-job training (> 12 mos.)
J	Moderate-term on-the-job training (1 to 12 months)
K	Short-term on-the-job training
Z	Not Available

ownership

Tables Referenced:

empdb, inddirectory, industry, jvs, ownershis, privategovt, statefirms

Values:

00	Total
1	Federal
10	Federal Government
2	State
20	State Government
3	County
30	Local Government
4	Municipal
40	International Government
5	Private
50	Private
80	Total Government
90	Total UI Covered (excludes Federal Government)

partfull

Tables Referenced:

jvs2

Values:

0	Both
1	Part-time
2	Full-time

paymenttype
Tables Referenced:

transferpayments, transferpaymenttypes

Values:

01	Total
02	Retirement/Disability
03	Medical
04	Income Maintenance
05	Unemployment insurance
06	Veterans
07	Education and training
08	Other

periodtype
Tables Referenced:

bed, buildingpermits, ces, clusterxsupply, commute, cpi, cpiplus, demographics, esdata, income, indoccwage, industry, jvs, laborforce, licensehistory, matrixperiod, periods, periodtypes, population, programcompleters, salesrevenue, supply, taxrevenues, transferpayments, uiclaims

Values:

01	Annual
02	Quarter
03	Monthly
04	Weekly
05	Decennial
06	Bimonthly
07	Semiannually (twice a year)
08	Biennially (every two years)
10	ACS
36	3-year estimates
50-70	State-Defined Period Types (EXCEPT 60)
60	5-year estimates
99	Not Applicable

permseas
Tables Referenced:

jvs2

Values:

0	Both
1	Seasonal
2	Permanent

popsource
Tables Referenced:

demographics, population, populationsource

Values:

1	Census
2	BEA
3	American Community Survey
6-9	State-Defined Population Sources

racecode
Tables Referenced:

#Error

Values:

01	White
02	Black
03	Asian
04	Native American/Alaska Native
05	Pacific Islander
06	Other race
07	Multiple races
09	Unknown race

ratetype
Tables Referenced:

esdata, indoccwage, wageratetypes

Values:

0	Not available
1	Hourly wage
2	Weekly wage or salary
3	Monthly wage or salary
4	Annual wage or salary
5	Daily wage

salestype
Tables Referenced:

salesrevenue, salestypes

Values:

00	Total, all sales types
01	Retail
50-70	State-Defined Sales Types

sizeclass
Tables Referenced:

jvs, sizeclasses, statefirms

Values:

00	0, No employment
01	1 - 4 employees
02	5 - 9 employees
03	10 - 19 employees
04	20 - 49 employees
05	50 - 99 employees
06	100 - 249 employees
07	250 - 499 employees
08	500 - 999 employees
09	1000 and over employees
20	less than 10 employees
22	10 to 49 employees
24	250 or more employees
50-70	State-Defined Size Class Types
99	Unknown

statistictype
Tables Referenced:

esdata, statistictypes

Values:

00	Range Bottom
01	Range Top
02	Mode
03	Mean (average)
04	Median
05	Bottom of First Quartile
06	Top of First Quartile
07	Bottom of Second Quartile
08	Top of Second Quartile
09	Bottom of Third Quartile
10	Top of Third Quartile
11	Bottom of Fourth Quartile
12	Top of Fourth Quartile
13	Minimum
14	Maximum
15	10th Percentile
16	25 th Percentile
17	75 th Percentile
18	90 th Percentile
19	Mean of 1st third (Default Entry Wages)

statistictype
Tables Referenced:

esdata, statistictypes

Values:

20	Mean of upper two thirds (Default Expr Wage)
50 - 70	State-specified

stockexchangecode
Tables Referenced:

empdb, stockexchange

Values:

1	NYSE
2	ASE
3	NASDAQ
9	OTHER

subtotal (indsublevels)
Tables Referenced:

inddirectory, indsublevels, matrixxind

Values:

1	Total all industries (SIC-based)
2	Industry division (SIC-based)
3	Major industry group (SIC-based)
4	Industry (SIC-based)
5	Roll up (SIC-based)
6	Outside the SIC structure (invented code) (SIC-based)
A	Total all industries (NAICS-based)
B	Domain (NAICS-based)
C	Super-Sector (NAICS-based)
D	Industry sector (2 digit) (NAICS-based)
E	Industry subsector (3 digit) (NAICS-based)
F	Industry group (4 digit) (NAICS-based)
G	Industry (5 digit) (NAICS-based)
H	U.S. Industry (6 digit) (NAICS-based)
I	Roll up (NAICS-based)
J	Outside the NAICS structure (invented code) (NAICS-based)

subtotal (occsublevels)
Tables Referenced:

matrixxocc, occdirectory, occsublevels

Values:

1	Total all occupations

subtotal (occsublevels)
Tables Referenced:

matrixxocc, occdirectory, occsublevels

Values:

2	Summary, major group
3	Summary, minor / intermediate group
4	Broad occupation
5	detailed occupation
6	Roll up
7	Collapsed
8	Outside the SOC/OES structure (invented code)

suppress
Tables Referenced:

bed, indoccmatrix, industry, jvs, jvs2

Values:

0	Data is not confidential
1	Ddata is confidential

tabletype
Tables Referenced:

tablelist

Values:

A	Administrative table
D	Data table
L	Lookup table
X	Crosswalk table

taxtype
Tables Referenced:

taxrevenues, taxtype

Values:

01	Sales tax
02	Real property tax
03	Personal property tax
04	Mineral tax
05	Use tax
06	Excise tax
07	Income tax
08	Ad Valorem
09	Local option sales taxes
10	State property taxes
11	State general sales and gross receipts sales
12	State alcoholic beverages sales tax

taxtype
Tables Referenced:

taxrevenues, taxtype

Values:

13	State amusements sales tax
14	State insurance premiums sales tax
15	State motor fuels sales tax
16	State pari-mutuels sales tax
17	State public utilities sales tax
18	State tobacco products sales tax
19	State other selective sales and gross receipts taxes
20	State individual income taxes
21	State corporation net income taxes
22	State death and gift taxes
23	State documentary and stock transfer taxes
24	State severance taxes
25	State Taxes not elsewhere classified
99	Other; not elsewhere classfied

trainingcode
Tables Referenced:

blstrainingcodes

Values:

0	None
1	Short-term on-the-job training
2	Moderate-term on-the-job training
3	Long-term on-the-job training
4	Apprenticeship
5	Internship/residency
N	Information not available

unittype
Tables Referenced:

buildingpermits, unittype

Values:

00	Total all types construction permits
01	Total new constructions
02	Total remodels/alterations
03	Single family residential new constructions
04	Single family residential remodels/alterations
05	Multi family residential new constructions
06	Multi family residential remodel/alterations
07	Residential, not specified new construction

unittype

Tables Referenced:

buildingpermits, unittype

Values:

08	Residential, not specified remodels/alterations
09	Commercial new construction
10	Commercial remodels/alterations
50-70	State-Defined Unit Type Codes
99	Unspecified

wagesource

Tables Referenced:

indoccwage, wagesource

Values:

1	BLS Area Wage Survey
2	State Wage Survey
3	BLS Occupational Employment Statistics Survey
4	BLS/Census Current Population Survey
5	Davis Bacon Wage Survey
6-9	State-Defined Wage Types

worksite

Tables Referenced:

worksitecodes

Values:

0	Estab & worksites remaining open-no chg.
1	Estab open; but worksites affected close
2	Estab & worksites open; wksite div. stop
3	Partial closure of single-unit estab
4	Full closure of multi or single-unit est
9	Information not available
A	All Worksite Classifications

Appendix A
Workforce Information Database, Version 3.0 - Recommended Load Order

Order	Table Name	Type	Order	Table Name	Type	Order	Table Name	Type
1	statefips	L	68	naicssupersector	L	131	empdbinf	L
2	areatype	L	69	naicssector	L	132	empdb	D
3	geoprecisioncode	L	70	naicslevel	L	141	income	D
4	geographies	L	71	naicscode	L	143	joltstypes	L
5	subgeographies	L	72	racecodes	L	144	industrysum	A
6	statelist	A	74	onetcode	L	145	jolts	D
7	periodyears	L	75	inddirectory	L	146	industry	D
8	periodtypes	L	76	transferpaymentty	L	147	indoccmatrix	D
9	periods	L	78	sizeclasses	L	148	laborforce	D
10	serieslevels	L	79	soccode	L	151	licensetypes	L
13	benefit	L	80	stateprogramcode	L	152	licenseexams	L
14	careerclusters	L	81	occcodes	L	153	licenseeducation	L
15	careerpaths	L	82	industrycodes	L	154	liccontinuingedu	L
16	disability	L	83	taxtype	L	155	licensecertificatio	L
17	occtypes	L	86	agegrouptypes	L	156	licenseexperience	L
19	educationlevels	L	87	addresstype	L	157	licensecriminal	L
20	blseducation	L	88	agegroups	L	158	licensephysicalre	L
21	experience	L	89	annualsalescodes	L	159	licenseactivestatu	L
22	blstrainingcodes	L	90	annualsalesrange	L	160	licenseveteran	L
25	experiencelevels	L	91	benchmark	L	161	licenseauthorities	D
26	cpiitems	L	93	cpitype	L	162	license	D
27	lengthopen	L	94	cpisource	L	163	licensexlicense	X
32	occsublevels	L	95	creditcode	L	164	licensehistory	D
33	occdirectory	L	100	empsizeflag	L	169	indoccwage	D
34	statistictypes	L	101	empsizerange	L	171	transferpayments	D
35	indcodetypes	L	102	growthcodes	L	172	population	D
36	qwisuppress	L	103	incomesource	L	173	schools	D
37	qwitype	L	104	incometype	L	174	programcomplete	D
42	wageratetypes	L	105	laytitle	L	175	programs	D
43	salestypes	L	106	licensenumbertyp	L	179	salesrevenue	D
45	wagesource	L	107	locationstatus	L	183	supply	D
47	indsublevels	L	112	privategovt	L	184	taxrevenues	D
48	ownerships	L	115	bedtypes	L	185	uiclaims	D
49	populationsource	L	116	classtime	L	190	occxocc	X
50	unittype	L	117	contactprotitles	L	191	industryxindustry	X
51	cescode	L	118	contacttitle	L	194	clusterxocc	X
53	cipcode	L	119	stockexchange	L	195	clusterxsupply	X
54	clustercode	L	120	indoccspecialid	L	209	laytitlexocc	X
55	completertype	L	122	bed	D	210	licensexocc	X
58	gender	L	123	buildingpermits	D	212	matrixxind	X
59	instown	L	125	ces	D	213	matrixxocc	X
60	insttype	L	126	commute	D	228	tablelist	A
62	lengthtype	L	127	cpi	D	230	tablesource	A
63	meeicode	L	128	cpiplus	D			
67	naicsdomain	L	129	demographics	D			

Notes for Suggested Load Order

Table Types: A=Admin; D=Data; L=Look-up; X=Cross-walk

OCCCODES is normally loaded by triggers. If triggers are not used, content for this table should be appended from the related lookup tables: CENSCODE, CIDSCODE, CIPCODE, CLUSCODE, DOTCODE, OCCDIR, OESCODE, ONETCODE, SOCCODE and STPROGCD.

INDCODES is normally loaded by triggers. If triggers are not used, content for this table should be appended from the related lookup tables: CENIND, SICCODE and NAICCODE.

Appendix B
Workforce Information Database, Version 3.0 - Core Tables List

Data Tables

ces
empdb
indoccmatrix
indoccwage
industry
laborforce
license
licenseauthorities

Look-up Tables

annualsalescodes
annualsalesranges
areatype
benchmark
cescode
contactprotitles
contacttitle
creditcode
empdbinf
empsizeflag
empsizerange
geographies
geoprecisioncode
growthcodes
indcodetypes
inddirectory
indsublevels
industrycodes
liccontinuingedu
licenseactivestatus
licensecertification
licensecriminal
licenseeducation
licenseexams
licenseexperience
licensephysicalreqs
licensetypes
licenseveteran

Look-up Tables

locationstatus
occcodes
occdirectory
occsublevels
occtypes
ownerships
periods
periodtypes
periodyears
privategovt
statefips
stockexchange
wageratetypes
wagesource

Crosswalk Tables

licensexocc
matrixxind
matrixxocc

Deprecated tables are no longer included as Core Tables. Therefore the tables indproj, occproj, and oeswage are no longer listed.

Appendix C
Workforce Information Database, Version 3.0 - Changes from Version 2.8

Basic Changes to the Geography and Time Period fields:
Table *geog*: the *areatypeversion* field has been added, to indicate which version of the area type is being used. This is especially for Metropolitan Statistical Area and any other area type that is changed regularly. The *areatypeversion* field has also been added to data tables where applicable.

Table *periods*: the *periodyear* field has been taken out of *periods* and placed in the new table *periodyears*. This eliminates duplicate period types and periods in the *periods* table. This also makes updating for the next year's data as easy as adding that year to the *periodyears* table. The field structure of data tables is unchanged, however, the *periodyear* foreign key reference now points to the *periodyears* table.

Name Changes: In the earliest versions of ALMIS/WID, field and tables names were restricted in length by the software of the time. Allowable name lengths are now much longer, allowing readable names to be used. All table and field names have been expanded from the abbreviations used in versions 2.x of the WID. The goal is to make such names more meaningful to users.

Tables added in v3.0:

Table Name	Description
agegrouptypes	The source of the age group listed in agegroups.
disability	Codes indicating whether a person is disabled or not.
jolts	The Job Openings and Labor Turnover Survey program provides national estimates of rates and levels for job openings, hires, and total separations. Total separations are further broken out into quits, layoffs and discharges, and other separations.
joltstypes	Types of the JOLTS numbers
liccontinuingedu	Lookup table of the continuing education requirements of the license
licenseactivestatus	Lookup table of the active status of the license
licensecertification	Lookup table of the certification requirements of the license
licensecriminal	Lookup table of licensing restrictions on criminal records
licenseeducation	Lookup table of the education requirements of the license
licenseexams	Lookup table of the exam requirements of the license
licenseexperience	Lookup table of the experience requirements of the license
licensephysicalreqs	Lookup table of physical requirements of the license
licensetypes	Look-up table for the indicators of the type of license
licenseveteran	Codes indicating the veteran preference for a license
licensexlicense	Table of re-licensing
periodyears	A list of valid years for data.
racecodes	Table of races used in demographics
serieslevels	The summary level for industry and occupational codes

Appendix C1
Workforce Information Database, Version 3.0 - Previous Table Names

Old Name	New Name	Old Name	New Name
addresty	addresstype	licnumty	licensenumbertype
annslflg	annualsalescodes	licxocc	licensexocc
annslrng	annualsalesranges	locstat	locationstatus
benmark	benchmark	matxind	matrixxind
blding	buildingpermits	matxocc	matrixxocc
careerclust	careerclusters	naiccode	naicscode
clsxsupl	clusterxsupply	naicdom	naicsdomain
cluscode	clustercode	naicsect	naicssector
clusxsoc	clusterxocc	naicslvl	naicslevel
compltyp	completertype	naicsupr	naicssupersector
contactpro	contactprotitles	occdir	occdirectory
creditcd	creditcode	occsub	occsublevels
disabil	disability	ownershp	ownerships
education	blseducation	periodty	periodtypes
edulevel	educationlevels	popsource	populationsource
empszflg	empsizeflag	popultan	population
empszrng	empsizerange	prgovst	privategovt
explevel	experiencelevels	progcomp	programcompleters
geocode	geoprecisioncode	qwisup	qwisuppress
geog	geographies	sales	salesrevenue
incomtyp	incometype	salestyp	salestypes
incsourc	incomesource	sizeclas	sizeclasses
indcodes	industrycodes	statelst	statelist
inddir	inddirectory	stattype	statistictypes
indsub	indsublevels	stfipstb	statefips
indsum	industrysum	stockexch	stockexchange
instown	institutionownership	stprogcd	stateprogramcode
insttype	institutiontype	subgeog	subgeographies
iomatrix	projectionsmatrix	tablist	tablelist
iospecialid	indoccspecialid	tablsrc	tablesource
iowage	iowage	tax	taxrevenues
labforce	laborforce	training	blstrainingcodes
laytxocc	laytitlexocc	wgsource	wagesource
lentype	lengthtype		
licauth	licenseauthorities		
lichist	licensehistory		